



**CALIFORNIA STATE UNIVERSITY,  
STANISLAUS**

**1999-2001 CATALOG**

# THE PRESIDENT'S MESSAGE

Dear Student:

California State University, Stanislaus is an exceptional public university in the CSU, the nation's largest and one of its most prestigious systems of higher education. Relatively small classes, a hallmark of the University, afford students the opportunity to personally interact with an outstanding faculty, eighty-five percent of whom hold a Ph.D. or its equivalent.

A university's reaccreditation is one of the most important indicators of institutional quality. On February 24, 1999, CSU Stanislaus was awarded a ten-year reaffirmation of its accreditation—the highest evaluation proffered by the Western Association of Schools and Colleges (WASC). CSU Stanislaus conducted a non-traditional self-study—one that combined the framework of the traditional accreditation standards with a focused, critical inquiry into CSU Stanislaus as a learning-centered university. This approach was highly successful and received praise throughout the state.

While CSU Stanislaus serves a global student population, a large majority of our more than 6,300 students live and work in the six counties that comprise the northern San Joaquin Valley and Central Sierra Foothills. Many of our 26,000 alumni and alumnae remain in the region after graduation. This is a campus that is a recognized educational leader and strategic planner. It also is a campus that values its diversity and excellence.

CSU Stanislaus offers 72 high quality undergraduate and postbaccalaureate degree programs on campus and in Stockton via on-site instruction as well as distance learning. The University also offers a full range of courses in Extended Education. Its global and regional initiatives build meaningful opportunities for both faculty and students. The delivery of programs and courses at CSU Stanislaus-Stockton (MCRC) give real meaning to an innovative educational public/private partnership. In addition, CSU Stanislaus is proud to have worked with Merced College and the University of California at Merced in creating a progressive, intersegmental partnership in the Central Valley. The Merced Tri-College Center is the first of its kind in California to combine both the academic and fiscal resources of institutions from each of the three public higher education systems in the state. These programs and courses, on and off-campus, enable the University to effectively implement its mission of creating a learning-centered environment and empower students to meet their educational goals.

The completion of the professional schools building—Demergasso-Bava Hall—in April 1998 has provided students and faculty with a technologically sophisticated facility where learning and discovery can occur. Completion of the Mary Stuart Rogers Educational Services Gateway Building, in 2001, will provide space for significantly enhanced student services and outreach and for University administrative units.

## Welcome to CSU Stanislaus



California State University, Stanislaus is a special place. It has a dedicated faculty, staff, and administration who are committed to the learning needs and aspirations of students. The University will celebrate its 40th anniversary in the Year 2000. With its invigorated strategic and academic planning processes, CSU Stanislaus is fully prepared to address future opportunities and challenges.

This catalog describes the University's educational resources and is designed to assist you in making the best choices for your future. Please familiarize yourself with its contents. We look forward to your becoming and remaining an integral part of the CSU Stanislaus community.

A handwritten signature in cursive script that reads "Marvalene Hughes". The signature is written in dark ink on a white background.

Marvalene Hughes, Ph.D.  
President

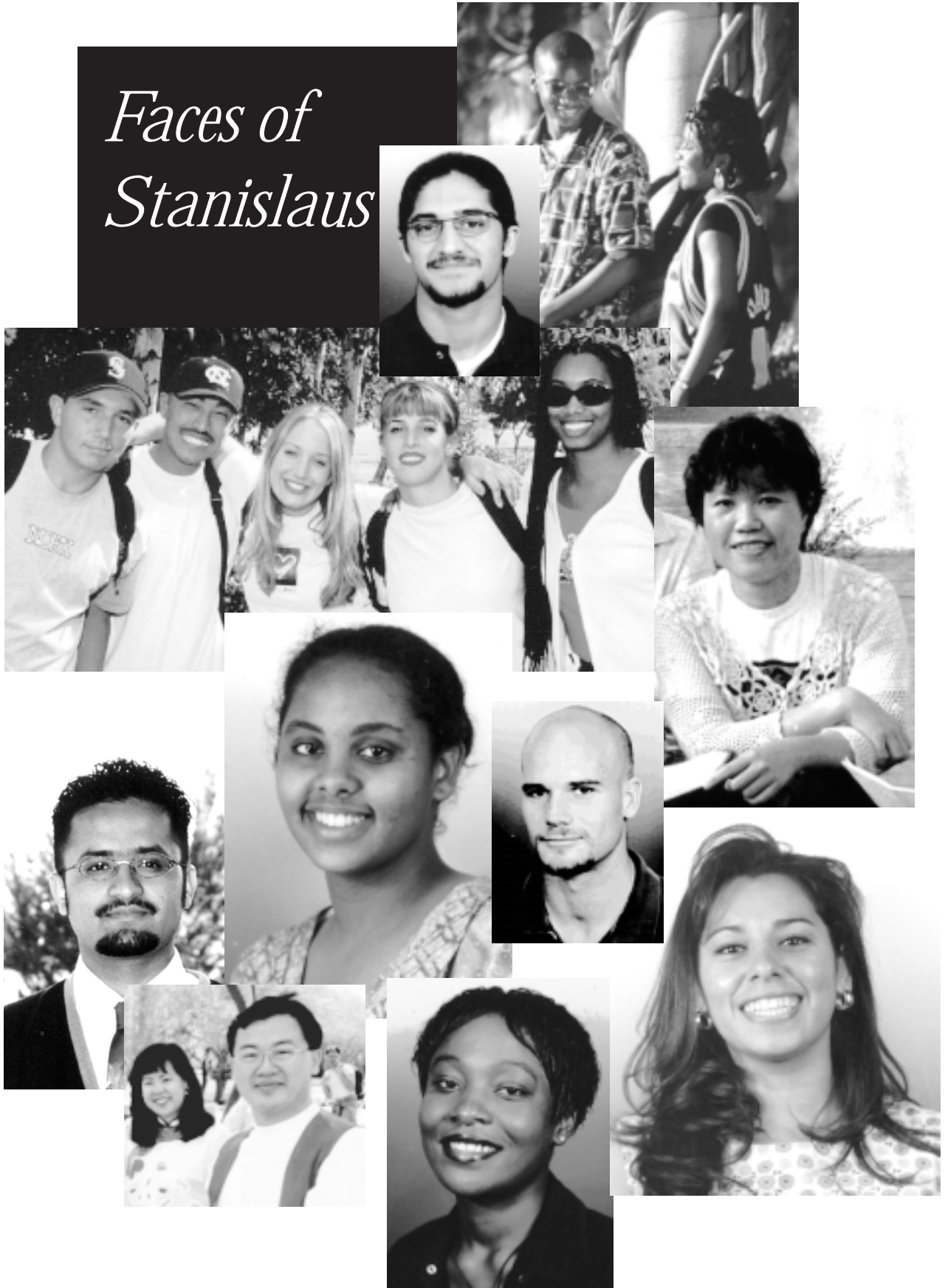


CSU  
STANISLAUS

# Catalog 1999-2001

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Turlock, California 95382-0299  
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<http://www.csustan.edu>

# *Faces of Stanislaus*



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# 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 life-long 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.

## Goals

### Teaching and Learning

- Create a learning environment that fosters scholarly and creative activity within and beyond the classroom and safeguards the free and open exchange of views.
- Address the diverse educational needs of students by offering on- and off-campus courses and programs in flexible and responsive ways that facilitate the timely completion of degree course work.
- Provide high quality undergraduate, graduate, and credential programs and life-long learning opportunities that meet or exceed recognized standards of scholarly excellence and address the professional and educational needs of the region and state.
- Guide students to become critical thinkers who are literate in a broad range of academic skills and disciplines, globally aware, competitive in the emerging economy, and engaged by the diverse challenges facing the region.
- Support and actively promote the research, scholarship, and creative activities of the University's faculty so their work is recognized for its excellence within and beyond the region.
- Assure on-going development of library resources and access to emerging information and instructional technologies in support of the learning priorities of the University community.

### Professional Development

- Promote and reward the professional growth and development of faculty, staff, and administrators.

### Campus Life

- Maintain a safe campus environment where diversity is considered an asset and where faculty, staff, students, and administrators are treated with fairness and respect.
- Attract and retain a high quality and diverse student population from within and beyond the region.
- Provide accessible, engaging co-curricular programs and services to enhance and complement the total educational experience for a broad spectrum of students.

### University Relations

- Be an active partner in the educational, economic, and social life of the Northern San Joaquin Valley and Central Sierra Foothills, and secure private support to enhance University excellence consistent with the University's mission.
- Serve as a cultural, intellectual, and scientific leader in the region.

### Institutional Processes

- Ensure that budgetary decisions, organizational processes and the physical environment conform to the University's Mission Statement and promote the responsible stewardship of its resources.

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# 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-seventh 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.

# 1999-2000 Academic Calendar

## Fall 1999 Semester

Registration dates and related information are available in the current *Schedule of Classes*.

November 2, 1998-June 30, 1999 ... Admission Application Filing Period  
 March 9, 1999 ..... Applications Due for Fall 1999 and Winter 2000 Graduation  
 March 2, 1999 ..... Priority Financial Aid Application Deadline†  
 September 2, 1999 ..... Classes Begin  
 September 6, 1999 ..... Labor Day (Campus Closed)  
 September 22, 1999 ..... Applications Due for Spring and Summer 2000 Graduation  
 September 30, 1999 ..... Enrollment Census Date: enrollments not accepted after this date  
 October 12, 1999 ..... Columbus Day (Offices Open, No Classes)  
 November 11, 1999 ..... Veterans' Day (Offices Open, No Classes)  
 November 24, 1999 ..... (Offices Open, No Classes)  
 November 25-26, 1999 .. Thanksgiving Holiday (Campus Closed)  
 December 9, 1999 ..... Last Day of Classes  
 December 13-17, 1999 ..... Final Examinations  
 December 17, 1999 ..... Last Day of Term  
 December 17, 1999 ..... Bound Master's Theses due to Graduate Studies Office  
 December 16-22, 1999 ..... Grades Due from Faculty  
 December 24-31, 1999 ..... Holiday Break, Campus Closed

## Winter 2000 Term

Registration dates and related information are available in the current *Schedule of Classes*.

March 2, 1999 ..... Priority Financial Aid Application Deadline†  
 June 1-November 30, 1999. Admission Application Filing Period  
 January 4, 2000 ..... Classes Begin  
 January 11, 2000 .. Enrollment Census Date: enrollments not accepted after this date  
 January 17, 2000 ..... Martin Luther King Day (Campus Closed)  
 February 1, 2000 ..... Last Day of Classes  
 February 2-3, 2000 ..... Final Examinations  
 February 3, 2000 ..... Last Day of Term  
 February 3, 2000 ..... Bound Master's Thesis Due to Graduate Studies Office  
 February 8, 2000 ..... Grades Due from Faculty

## Spring 2000 Semester

Registration dates and related information are available in the current *Schedule of Classes*.

March 2, 1999 ..... Priority Financial Aid Application Deadline†  
 August 2, 1999- January 7, 2000 ..... Admission Application Filing Period  
 February 16, 2000 ..... Classes Begin  
 February 11, 2000 .. Lincoln's Birthday (Offices Open, No Classes)  
 February 21, 2000 ..... President's Birthday (Offices Open, Classes will be held)  
 March 15, 2000 .... Enrollment Census Date: enrollments not accepted after this date  
 April 24-28, 2000 ..... Spring Break (Offices Open, No Classes)  
 May 12, 2000 (afternoon) ..... Warrior Day  
 May 23, 2000 ..... Last Day of Classes  
 May 24-26; 30-31, 2000 ..... Final Examinations  
 May 29, 2000 ..... Memorial Day (Campus Closed)  
 May 30-June 5, 2000 ..... Grades Due from Faculty  
 May 31, 2000 ..... Last Day of Term  
 May 31, 2000 .. Bound Master's Theses due to Graduate Studies Office  
 June 3, 2000 ..... Commencement

## Summer 2000 Session

April 17, 2000 ..... Registration Begins  
 June 12-August 18, 2000 ..... Instruction

Contact the Extended Education Office (209) 667-3111 for further information.

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



# 2000-2001 Academic Calendar

## Fall 2000 Semester

Registration dates and related information are available in the current Schedule of Classes.

November 1, 1999-June 30, 2000 ... Admission Application Filing Period  
 March 10, 2000 ..... Applications Due for Fall 2000 Graduation  
 March 2, 2000 ..... Priority Financial Aid Application Deadline†  
 September 4, 2000 ..... Labor Day (Campus Closed)  
 September 7, 2000 ..... Classes Begin  
 September 27, 2000 ..... Applications Due for Spring and Summer 2001 Graduation  
 October 4, 2000 ... Enrollment Census Date: enrollments not accepted after this date  
 October 9, 2000 ..... Columbus Day (Offices Open, No Classes)  
 November 10, 2000 ..... Veterans' Day (Offices Open, No Classes)  
 November 23-24, 2000 .. Thanksgiving Holiday (Campus Closed)  
 December 11, 2000 ..... Last Day of Classes  
 December 13-15; 18-19, 2000 ..... Final Examinations  
 December 19, 2000 ..... Last Day of Term  
 December 19, 2000 ..... Bound Master's Theses due to Graduate Studies Office  
 December 18-22, 2000 ..... Grades Due from Faculty  
 December 25-29, 2000; January 1, 2001 ... Holiday Break, Campus Closed

## Winter 2001 Term

Registration dates and related information are available in the current Schedule of Classes.

June 1-November 30, 2000. Admission Application Filing Period  
 March 2, 2000 ..... Priority Financial Aid Application Deadline†  
 January 3, 2001 ..... Classes Begin  
 January 10, 2001 ..... Enrollment Census Date: enrollments not accepted after this date  
 January 15, 2001 ..... Martin Luther King Day (Campus Closed)  
 January 31, 2001 ..... Last Day of Classes  
 February 1-2, 2001 ..... Final Examinations  
 February 2, 2001 ..... Last Day of Term  
 February 2, 2001 ..... Bound Master's Thesis Due to Graduate Studies Office  
 February 6-7, 2001 ..... Grades Due from Faculty

## Spring 2001 Semester

Registration dates and related information are available in the current Schedule of Classes.

March 2, 2000 ..... Priority Financial Aid Application Deadline†  
 August 1, 2000-January 5, 2001 ... Admission Application Filing Period  
 February 14, 2001 ..... Classes Begin  
 February 9, 2001 ..... Lincoln's Birthday (Offices Open, Classes will be held)  
 February 19, 2001 ..... President's Birthday (Offices Open, Classes will be held)  
 March 14, 2001 .... Enrollment Census Date: enrollments not accepted after this date  
 April 16-20, 2001 ..... Spring Break (Offices Open, No Classes)  
 May 11, 2001(afternoon) ..... Warrior Day  
 May 22, 2001 ..... Last Day of Classes  
 May 24-25; 29-31, 2001 ..... Final Examinations  
 May 28, 2001 ..... Memorial Day (Campus Closed)  
 May 30-June 5, 2001 ..... Grades Due from Faculty  
 May 31, 2001 ..... Bound Master's Theses due to Graduate Studies Office  
 May 31, 2001 ..... Last Day of Term  
 June 2, 2001 ..... Commencement

## Summer 2001 Session

April 16-25 ..... Registration Begins  
 June 18-August 24 ..... Instruction

Contact the Extended Education Office (209) 667-3111 for further information.

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



## 2000-2001 ACADEMIC CALENDAR

### SEPTEMBER 2000

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

### OCTOBER 2000

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

### NOVEMBER 2000

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

### DECEMBER 2000

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

### JANUARY 2001

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

### FEBRUARY 2001

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

### MARCH 2001

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

### APRIL 2001

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

### MAY 2001

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11*	12				
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

\*No classes Afternoon  
Only on Warrior Day

### JUNE 2001

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

### JULY 2001

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

### AUGUST 2001

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

 CAMPUS CLOSED

 NO CLASSES (Holidays, Reading Day, Spring Break, Warrior Day {afternoon only})

# The California State University



## The California State University

The individual California State Colleges were brought together as a system by the Donahoe Higher Education Act of 1960. In 1972 the system became The California State University and Colleges and in 1982 the system became The California State University.

The oldest campus—San Jose State University—was founded as a Normal School in 1857 and became the first institution of public higher education in California. California State University, Monterey Bay, became the CSU's 21st campus in September 1994. The California Maritime Academy in Vallejo, founded in 1929, joined the CSU as its 22nd campus in July 1995, and the CSU's 23rd campus—California State University, Channel Islands—is in the planning stage to serve students in the Ventura County region.

Responsibility for The California State University is vested in the Board of Trustees, consisting of ex officio members, alumni and faculty representatives, and members 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 actual 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 of the campuses require for graduation a basic program of general education-breadth requirements, regardless of the type of bachelor's degree or major field selected by the student.

The CSU offers more than 1,500 bachelor's and master's degree programs in some 200 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.

In fall 1996, the system enrolled approximately 336,000 students, taught by more than 17,000 faculty. Last year the system awarded over 50 percent of the bachelor's degrees and 30 percent of the master's degrees granted in California. More than 1.2 million persons have been graduated from the 22 campuses since 1960.

# Trustees and Officers

## Ex Officio Trustees

### **Governor of California**

The Honorable Gray Davis, State Capitol, Sacramento 95814

### **Lieutenant Governor of California**

The Honorable Cruz Bustamante, State Capitol, Sacramento 95814

### **Speaker of the Assembly**

The Honorable Antonio Villaraigosa, State Capitol, Sacramento 95814

### **State Superintendent of Public Instruction**

The Honorable Delaine Eastin, 721 Capitol Mall, Sacramento 95814

### **Chancellor of the California State University**

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

## 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

### **Chief of Staff**

Mr. William Dermody

### **Executive Vice Chancellor and Chief Academic Officer**

Dr. David Spence

### **Executive Vice Chancellor and Chief Financial Officer**

Mr. Richard P. West

### **Vice Chancellor, University Advancement**

Dr. Douglas X. Patiño

### **General Counsel**

Ms. Christine Helwick, Esq.

## Officers of the Trustees

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Governor Gray Davis

### **Chair**

Mr. William Hauck

### **Vice Chairman**

Dr. Joan Otomo-Corgel

### **Secretary**

Christine Helwick

### **Treasurer**

Richard P. West

## Correspondence with Trustees should be sent:

*c/o Trustees Secretariat*

The California State University  
401 Golden Shore, Suite 136  
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. Names are listed in order of appointment to the Board.

Mr. William D. Campbell (2003)  
Mr. Ronald L. Cedillos (1999)  
Ms. Martha C. Fallgatter (2003)  
Mr. Robert G. Foster (2007)  
Mr. Harold Goldwhite (1999) Faculty Trustee  
Mr. Lawrence K. Gould, Jr. (2002)  
Mr. William Hauck (2001)  
Mr. Eric Mitchell (1999) Student Trustee  
Ms. Margaret J. "Dee-Dee" Myers (2007)  
Dr. Joan Otomo-Corgel (2000)  
Mr. Ralph R. Pesqueira (2004)  
Mr. Frederick W. Pierce (2000) Alumni Trustee  
Mr. Ali C. Razi (2001)  
Mr. Michael D. Stennis (2000)  
Mr. Anthony M. Vitti (2005)  
Mr. Stanley T. Wang (2002)

# Campuses of The California State University

**California State University,  
Bakersfield**

9001 Stockdale Highway  
Bakersfield, California 93311-1099  
Dr. Tomas A. Arciniega, President  
(805) 664-2011

**California State University,  
Channel Islands**

2151 Alessandro Drive, Suite 290  
Ventura, California 93001  
Mr. J. Handel Evans, Acting President  
(805) 383-8400

**California State University, Chico**

400 West First Street  
Chico, California 95929-0150  
Dr. Manuel A. Esteban, President  
(530) 898-6116

**California State University,  
Dominguez Hills**

1000 East Victoria Street  
Carson, California 90747-0005  
Dr. James Lyons, President  
(310) 243-3301

**California State University, Fresno**

5241 North Maple Avenue  
Fresno, California 93740  
Dr. John D. Welty, President  
(209) 278-4240

**California State University,  
Fullerton**

800 North State College Boulevard  
P. O. Box 34080  
Fullerton, California 92834-9480  
Dr. Milton A. Gordon, President  
(714) 278-2011

**California State University,  
Hayward**

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

**Humboldt State University**

Arcata, California 95521-8299  
Dr. Alistair W. McCrone, President  
(707) 826-3011

**California State University,  
Long Beach**

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

**California State University,  
Los Angeles**

5151 State University Drive  
Los Angeles, California 90032  
Dr. James M. Rosser, President  
(213) 343-3000

**California Maritime Academy**

200 Maritime Academy Drive  
Vallejo, California 94590  
Mr. Jerry Aspland, Interim President  
(707) 654-1000

**California State University,  
Monterey Bay**

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

**California State University,  
Northridge**

18111 Nordhoff Street  
Northridge, California 91330  
Dr. Louanne Kennedy, President  
(818) 667-1200

**California State Polytechnic  
University, Pomona**

3801 West Temple Avenue  
Pomona, California 91768  
Dr. Bob H. Suzuki, President  
(909) 869-7659

**California State University,  
Sacramento**

6000 J Street  
Sacramento, California 95819  
Dr. Donald R. Gerth, President  
(916) 278-6011

**California State University,  
San Bernardino**

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

**San Diego State University**

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

**San Francisco State University**

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

**San Jose State University**

One Washington Square  
San Jose, California 95192-0001  
Dr. Robert L. Caret, President  
(408) 924-1000

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

San Luis Obispo, California 93407  
Dr. Warren J. Baker, President  
(805) 756-1111

**California State University,  
San Marcos**

333 South Twin Oaks Valley Road  
San Marcos, California 92096-0001  
Dr. Alexander Gonzalez, President  
(760) 750-4000

**Sonoma State University**

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

**California State University,  
Stanislaus**

801 West Monte Vista Avenue  
Turlock, California 95382-0299  
Dr. Marvalene Hughes, President  
(209) 667-3122

# California State University Stanislaus

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 (Acquisitions) ..... Annie Hor  
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 Business Services ..... Gary M. Toombs  
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### Correspondence with Foundation Trustees should be sent to:

Walter L. Strong, Ph.D.

Executive Officer

CSU Stanislaus Foundation

801 W. Monte Vista Avenue

Turlock, CA 95382-0299

## Centers and Institutes

The Centers and Institutes of CSU Stanislaus exist to advance the goals of the University and to enhance the institution's 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  
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of Other Languages ..... Stephen B. Stryker  
and Christine Stryker

#### Institute for the Study of

Pension Systems ..... William D. Crist  
Institute for Social and Communication  
Research ..... John R. Sumser  
Institute for Southeast Asian Studies ..... Ida I. Bowers

### School of Business Administration

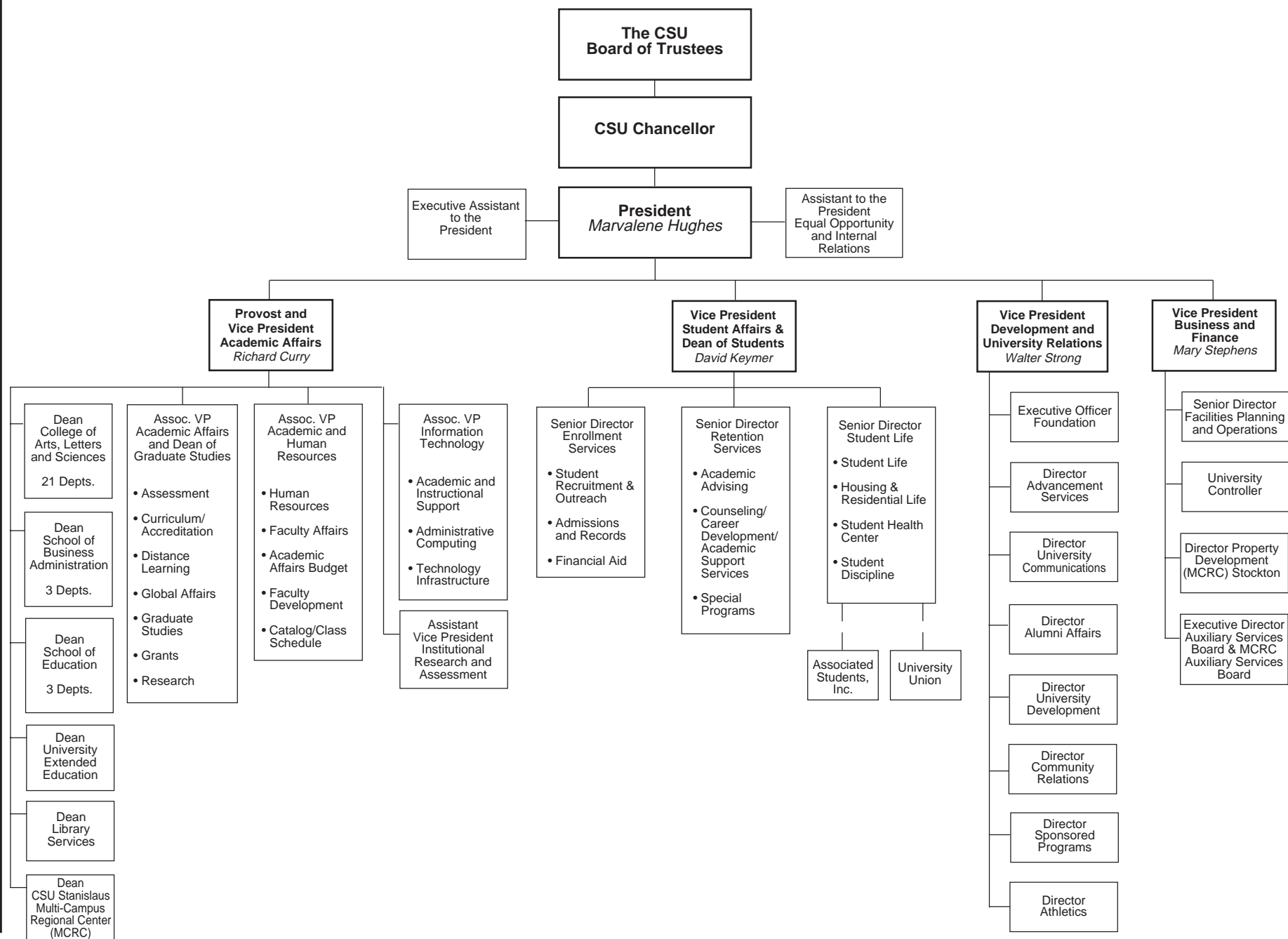
#### School of Business Administration

Professional Development Center ..... Vacant

### University-wide Centers and Institutes

Child Development Center ..... Rita A. Asher  
Center for Direct Instruction ..... Jane S. Howard  
Institute for International Studies  
(See Office of Global Affairs) ..... Linda Bunney-Sarhad  
Center for Portuguese Studies ..... Elmano M. Costa  
Center for Public Policy Studies  
at CSU Stanislaus ..... Steven W. Hughes

# California State University, Stanislaus



## Institutional Accreditation

CSU Stanislaus received its first accreditation in 1964 and most recently received reaccreditation in 1999:

- **Western Association of Schools and Colleges**  
P.O. Box 9990  
Mills College  
Oakland, CA 94613-0990  
(510) 632-5000

## Specialized Accreditation

The programs in the following list are accredited by their specialty organizations:

### College of Arts, Letters, and Science

- **Art - National Association of Schools of Art and Design**  
11250 Roger Bacon Drive, Suite 21  
Reston, VA 22090  
(703) 437-0700
- **Chemistry - American Chemical Society**  
1155 Sixteenth Street, NW  
Washington, DC 20036  
(202) 872-4589
- **Drama - National Association of Schools of Theatre**  
11250 Roger Bacon Drive, Suite 21  
Reston, VA 22090  
(703) 437-0700
- **Music - National Association of Schools of Music**  
11250 Roger Bacon Drive, Suite 21  
Reston, VA 22090  
(703) 437-0700
- **Nursing - National League for Nursing**  
350 Hudson Street  
New York, NY 10014  
(212) 989-9393
- **Public Administration - National Association of Schools of Public Affairs and Administration**  
1120 G Street, NW, Suite 730  
Washington, DC 20005  
(202) 628-8965
- **Social Work - Council on Social Work Education**  
1600 Duke Street, Third Floor  
Alexandria, VA 22314  
(703) 683-8080

### School of Business Administration

The School of Business Administration is in pursuit of accreditation for both its business and accounting programs from:

- **AACSB - The International Association for Management Education**  
600 Emerson Road, Suite 300  
St. Louis, MO 63141-6762  
(314) 872-8481

### School of Education

The School 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
- **California Commission on Teacher Credentialing**  
1900 Capitol Avenue  
Sacramento, CA 95814-4213  
(916) 445-0184

## The University's History

California State University, Stanislaus blends modern facilities with the pastoral charm of the countryside. Two hundred and twenty acres provide room for growth and beautification. The campus grounds had many improvements over recent years, including the Demergasso-Bava Hall classroom/lab/faculty offices facility, the Village housing complex, and ponds which serve multiple uses and provide a beautiful setting to enhance university life.

The University was established by the State Legislature in 1957 and offered its first classes in September of 1960 in the Stanislaus County Fairgrounds. The University moved to its permanent campus in 1965.

In the beginning only two buildings occupied the campus, the trees were only seedlings, and dirt covered the landscape.

The Classroom Building originally housed facilities for art, music, drama, and the sciences, along with classrooms.

A companion project to the Classroom Building was the library. It was later named the Vasche Library in memory of the University's founding President, Dr. J. Burton Vasche.

The Performing Arts Complex was opened a few years later, providing space for the art, drama, and music departments. Included in this multipurpose project was a modern, functional 300-seat Mainstage Theatre. In addition, the music facilities featured a 200-seat recital hall. The art complex provided spacious and modernly-equipped studios as well as the University Art Gallery.

Added to the growing campus was the Science Building which provided a modern structure with space-age equipment, a laser laboratory along with other pertinent laboratories, electron microscope, greenhouse, and essential classrooms. In 1977 an observatory for astronomy classes was added.

The Dining Hall complex opened its doors in 1975, and the adjacent Student Union Building (SUB) was built in 1978 with a two-story modern addition completed in the spring of 1992. These facilities are the center of activities for students during their leisure hours.

Dedicated in 1981, the campus Health Center provides basic medical services, health maintenance, and health education.

The University gained a major new building in 1998 with completion of Demergasso-Bava Hall. It includes classrooms, laboratories, department and faculty offices, Distance Learning studios and classrooms, and the student radio and newspaper.

The college was awarded university status and was renamed California State University, Stanislaus in 1985.

Today, the campus is lush with trees and grass covered grounds that give it a beautiful park-like setting, not only for the students, but a multitude of community events and activities.

The University has a current enrollment of 6,300 students and continues to provide small classes and personal communication among students, faculty, administrators, and staff in an environment that is conducive to studying and learning.

## Campus Facilities

A major addition to the University is the Demergasso-Bava Hall, a classroom, laboratory, department, and faculty offices facility completed in 1998. The Television Distance learning Center in the Demergasso-Bava Hall is used for the development of Regional Television course distribution to sites in Stockton, Tracy, Sonora, and Merced.

The Village, a unique student housing complex opened in 1993 complete with laundry facilities, computer lab, recreation room, courtyard with barbecue areas, and a swimming pool.

The Dining Hall Complex includes a cafeteria with a capacity for seating 500, with two smaller dining rooms for private meetings, workshops, conferences, and Mom's, the Residence Life Village dining hall.

In this complex, the University Union houses the Kiva Bookstore, Kiva Computer Store, Associated Students, Inc. office, the American Language and Culture Program, recreation center, lounges, multipurpose room, study, and conference rooms.

Physical education facilities include a Fieldhouse, Gymnasium with seating for 2,300, softball and baseball diamonds, soccer field, a vita-course, tennis courts, an all-weather track, and a swimming pool.

Phase II of the Vasche Library was completed in 1989, doubling the size of the original building.

Ground breaking ceremonies for the new Mary Stuart Rogers Educational Services Gateway Building near the Monte Vista Avenue entrance to the University will be conducted in September 1999. Scheduled for completion in 2001, the building will house student services and administrative units. This will allow for expansion of library services in the Vasche Library Building and provide more room for classroom facilities in other buildings on campus.

## Preparing for a New Century

In preparation for the twenty-first century, the CSU Stanislaus campus continues to evolve in a positive way with occupancy of the Demergasso-Bava Hall, remodeling of the Enrollment Services Office in the Vasche Library Building to provide "one-stop shopping" service to students, a move of the Stockton Center from San Joaquin Delta College to the former Stockton Development Center site, and the addition of three more storm ponds on the campus.

The University reaffirmed its continuing commitment to excellence after recently receiving the highest possible evaluation in a ten-year reaffirmation by the Western Association of Schools and Colleges.

The new student services facility assists visitors to the campus, students who are members of the campus community, and the community at-large. Helpful people working in one area respond to questions and solve students' problems in a courteous "one-stop shopping" atmosphere.

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

At CSU Stanislaus, Distance Learning and the "Virtual University" concept will serve the nontraditional student who may not always find it convenient to attend the University campus and may want an alternative method for acquiring a quality education.

The acquisition of the CSU Stanislaus-Stockton Multi-Campus Regional Center (MCRC) will provide greatly increased access to quality educational opportunities to San Joaquin county residents.

With its growth and development, CSU Stanislaus will remain concerned about its students and committed to fulfilling the educational needs of its students in the twenty-first century.

## Hours of Operation

Regular Hours: 8:00 a.m. to 5:00 p.m., Monday through Friday.

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

*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 35 undergraduate majors for in-depth and pre-career study. A listing of all available undergraduate majors, minors, and concentrations is included in the "Undergraduate and Programs and Degrees" 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 17 Master of Arts and Master of Science programs described in the "Graduate Studies" section of this catalog.

## Library

Located on the second and third floors of the Vasche Library Building, the University Library provides information and materials, either in paper format or electronically, for the purposes of research and study by students and faculty. The library is a comfortable modern facility with numerous study stations for quiet study and group study rooms for consultation and discussions. The library is staffed with efficient paraprofessionals, student assistants, and professionally trained library faculty who provide patrons with friendly expert service. Professional reference service is available during most of the hours that the library is open including Saturdays. There is a multitude of computer workstations in the reference area linked to the numerous electronic databases the library offers including the Internet. Instruction on the usage of databases and other library resources is available either individually or in a classroom setting.

The library collections have been expertly developed by library faculty with the active participation of the general faculty to support the information needs of the curriculum. There are 320,000 volumes in the library's book collection, and the library has 2,100 periodical subscriptions with full back-runs to most titles. The library also has government document collections having been a depository of both federal and state government documents since 1965. On the third floor, there is a children's collection of 4,200 volumes primarily for the education curriculum and contains representative examples of fine children's literature and award winners both fiction and non-fiction.

The library provides an electronically-based and effective interlibrary loan service which is linked to libraries worldwide. Library service extends to the university's distance learning programs including the CSU Stanislaus-Stockton Multi-Campus Regional Center (MCRC). MCRC students have full library privileges at the center, the main campus in Turlock, and at the University of Pacific library in Stockton.

## Office of Information Technology Instructional Computing

There are six general access student-computing laboratories on campus. Three of the laboratories are used as classrooms and the other three are open access facilities. 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, 9:00 a.m. to 5:00 p.m. Saturday, and 1:00 p.m. to 5:00 p.m. on Sunday. The open access laboratories are staffed with student assistants during the times they are available for use. These assistants can help users with basic questions on Microsoft Office, campus e-mail, and the Internet. Professional IT staff are available 8:00 a.m. to 5:00 p.m. Monday through Friday for more complex issues.

## Instructional Media Center (IMC)

The University provides centralized instructional media services designed to enrich classroom instruction. The IMC has catalogs of films, videotapes, and other off-campus materials available through rentals from major film libraries throughout the United States.

The IMC staff are available to work with faculty and students when using the following: video production studio, preview rooms, transparency-making, high speed stereo copying of audio cassette tapes, duplication of video tapes, fax services, video editing, and photographic duplication. In addition, faculty may check out laptop computers, digital cameras, video recorders and camcorders for use in course-related activities.

An Instruction Technologist trained in educational technology is available to assist faculty incorporate technology into the classroom.

## Public Safety

The Department of Public Safety/State University Police, (209) 667-3114, employs trained, full-time peace officers and support staff for the 24 hour protection of the Turlock and Stockton campuses, 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, the Department of Public Safety also provides public services including an after hour 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.

The Department of Public Safety's has offices located at both the Turlock and Stockton campuses. The main office is located at the Turlock campus in the Campus Services Building and the Public Safety Storefront office is located adjacent to the Village Housing and Residential Life office.

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. Business phone numbers are (209) 667-3114 for the Turlock Public Safety Office and (209) 467-5360 for the Stockton Public Safety Office.

## University 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 Manager 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

Special Event/Facility Reservations must be made by all campus groups wishing to use any indoor or outdoor facilities. Please call (209) 667-3062 to check the availability of facilities. Special Event/Facility Reservation Forms are required for any event scheduled on campus. California State University, Stanislaus facilities are available for rent by students, faculty, staff, and the outside community.

## Intercollegiate Athletics

The University participates in 13 intercollegiate sports at the NCAA Division II level, and is a member of the California Collegiate Athletic Association. Six men's sports are sponsored — 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 Riverside, and Grand Canyon University.

The Warriors competed at the NCAA Division III level for 14 years beginning in 1975-76 and produced 12 national golf championships and two national baseball championships, plus 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

## Multi-Campus Regional Center

*Working with other institutions, the MCRC offers collaborative initiatives and programs to benefit the community.*

**Location:** 612 East Magnolia Street  
Stockton, CA 95207-6370  
(209) 467-5300

**Dean:** Cynthia L. Morgan

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

## The Multi-Campus Regional Center (MCRC)

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

**Accreditation:** Degree programs offered at the MCRC 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 MCRC, are accredited by their speciality organizations:

School 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:** The CSU Stanislaus Multi-Campus Regional Center at Stockton provides selected student services including admissions information, academic advising, and assistance with financial aid.

## Degree programs offered at the MCRC:

### **Bachelor of Arts**

- Child Development
- Criminal Justice
- History
- Liberal Studies Concentrations in:
  - Anthropology
  - Bilingual/Cross-Cultural Studies
  - Child Development
  - Communication Studies
  - Ethnic Studies
  - History
  - Psychology
  - Sociology
- Organizational Communication
- Psychology
- Social Sciences

### **Bachelor of Science**

- Applied Studies
- Business Administration
  - Accounting
  - Management
  - General Business
- Nursing (BSN)

### **Master's Degrees**

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

### **Credentials**

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



# Regional Education

Office: Library Building 175B  
(209) 667-3082

Associate Vice President  
for Academic Affairs: Diana Mayer Demetrulias

*The University fulfills  
its mission as a regional  
university through a  
variety of programs and  
activities that serve the  
educational needs of the  
citizens.*

## Distance Learning (Instructional Television)

Office: Library Building 175B  
(209) 667-3319

Coordinator: Samuel A. Oppenheim

The University operates an instructional television system which transmits regular courses from three classroom studios on campus and one studio in Stockton to remote reception sites.

This delivery system provides for active participation of students at the remote sites through an audio talk back capability.

The televised courses are currently received by classrooms in Merced, Sonora, Stockton, and Tracy.

The University is a partner campus at the Merced Tri-College Center with Merced College and University of California, Merced. The center receives televised instructional courses and also offers live on-site courses.

## The Higher Education Consortium of Central California (HECCC)

Location: San Joaquin Delta College  
5151 Pacific Avenue,  
Stockton, CA 95207-6370  
(209) 954-5543  
Fax: (209) 954-5692

Executive Director: Marcella Rodgers-Vieira

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

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

HECCC is governed by a President's Council and an Executive Board. A half-time Executive Director coordinates the functions and projects of HECCC through the following committees:

- Allied Health Committee
- Articulation and Transfer Committee
- Business Committee
- Classified Staff Development Committee
- Communications Committee
- Distance Learning and Technology Committee
- Grant Development Committee

For additional information visit the HECCC website at [www.sjcdccd.ca.us/heccc/index.html](http://www.sjcdccd.ca.us/heccc/index.html)

# University Extended Education

*University Extended Education provides a number of programs and services to the people of the CSU Stanislaus service area.*

Office: Educational Services Building  
(209) 667-3111

Dean: Keith Johnson

## University Extended Education

**University Extended Education** provides a number of programs and services to the people of the CSU Stanislaus service area—Calaveras, Mariposa, Merced, Stanislaus, San Joaquin, and Tuolumne counties. Additional information on any of these programs can be obtained by writing University Extended Education or calling (209) 667-3111.

**Open University:** Students who are not interested in seeking a degree or who have not been admitted as regular students may enroll, on a space-available basis and with the permission of the instructor, in any regularly scheduled course offered by the University. Since Open University enrollment is permitted only on a space-available basis, enrollment approval may not be given prior to the first day of instruction for a term. Instructor approvals dated prior to that day are invalid and unacceptable. If a student later wishes to have Open University credit applied toward a degree, a maximum of twenty-four units is allowable for a baccalaureate degree and nine units for a graduate degree. In all cases the permission of the major department is required.

**Extension Programs:** The University offers especially designed courses, both credit and noncredit, to meet particular needs. Seminars, conferences, workshops, and weekend courses on specific topics are offered throughout the year.

Courses offered which meet professional licensing requirements may carry CEU (Continuing Education Unit) credit, applicable to the standards of licensing agencies; these are particularly appropriate in fields such as psychology, social work, medicine, nursing, accounting, and public service which require continuing participation in professional education.

**Summer Sessions:** University summer sessions are operated through University Extended Education, and offer courses for regular resident credit.

**Special Programs:** Additional special programs offered include such things as travel courses, teleconferences, lectures, and business and professional seminars. Such activities are ways the institution responds to regional needs, and University Extended Education actively seeks new opportunities to serve the community.

**Contract Courses:** Organizations planning continuing education courses using their own instructors can contract with University Extended Education to offer academic credit for these off-campus courses. Students who complete these courses are awarded extension credit for their work.

**Contract Degree Programs:** When a group or organization has a number of students interested in earning the same academic degree, University Extended Education can provide degree program course work at an off-campus location. By working in cooperation with a CSU Stanislaus academic department, Extended Education will schedule a full curriculum for students to earn either a bachelor's or master's degree. Each term regular University faculty travel to an off-campus location to teach courses. The convenience of this service can make earning a University degree available to working people who might not otherwise be able to travel to the campus.

**American Language and Culture Program (ALCP):** The American Language and Culture Program offers international students and other non-native speakers of English an opportunity to study English through an intense academic program of study. Some classes focus on preparing students to pass the TOEFL and others are designed to improve the student's spoken English and may include regional excursions and cultural studies.

# Undergraduate Admission to the University



Jennifer Caldwell, Enrollment Services Staff Employee

*By offering consolidated services, the Enrollment Services team provides convenience and efficiency to students.*

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The Enrollment Services team of the University serves prospective and newly enrolled students, providing outreach to high schools and community colleges, pre-admission advising, and assistance with credit transfer and registration. 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. Postbaccalaureate 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 Application Filing Periods

Term	Applications First Accepted	Student Notification Normally Begins
Summer Quarters	February 1	March
Fall Terms	November 1	January
Winter Term	June 1	July
Spring Terms	August 1	September

## Filing Period Duration

Each campus accepts applications until capacities are reached. Many campuses limit undergraduate admission in an enrollment category because of overall enrollment limits. If applying after the initial one-month filing period, consult the campus admissions office for current information. A late filing fee may be charged.

## Admissions 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*. If you are not sure of these requirements you should consult a high school or community college counselor or the Enrollment Services Office. Applications may be obtained from the admissions office at any of the campuses of the California State University or at any California high school or community college. An electronic version of the CSU undergraduate application is accessible on the internet at <http://www.csumentor.edu/>.

### 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 a Fall or Winter or Spring 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 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.

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

The CSU advises prospective students 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 as described in the undergraduate admissions booklet. The \$55 nonrefundable application fee should be in the form of a check or money order payable to "The California State University" and 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 campus before an application is redirected to an alternate choice campus.

### Application Acknowledgment

Applicants may expect an acknowledgment of application receipt from the first choice campus within two to four weeks after filing the application. A notice that space has been reserved will also include a request to submit the records necessary for the campus to evaluate academic qualifications. A student 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 first month of the 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 admission criteria if applying to an impacted program.

The CSU will announce before the opening of the fall filing period which programs are impacted and the supplementary criteria campuses will use. That announcement will be published in the "CSU Review," distributed to high school and college counselors. Information about the supplementary criteria is also sent to program applicants.

An application for admission to an impacted program must be filed during the first month of the filing period. To be considered for impacted programs at two or more campuses, a student must file an application to each.

### 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, 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 no later than December if applying for the fall admission cycle (or November, if applying to San Luis Obispo).

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.

## Undergraduate Admission Requirements

### Test Requirements

Freshman and transfer applicants who have fewer than 56 semester (or 84 quarter units) of transferable college credit must submit scores, unless exempt, from either the Scholastic Assessment Test of the College Board (SAT I) or the American College Test Program (ACT). (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 I or ACT are available from school or college counselors, or from a CSU campus testing office, or from:

The College Board (SAT I)  
Registration Unit, Box 6200  
Princeton, New Jersey 08541  
(609) 771-7588

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

Special institutional administrations of the SAT I will be arranged for CSU Stanislaus applicants. Contact the University Testing Office, (209) 667-3157, for additional information.

### Admission as a First-Time Freshman

To qualify for regular admission as a first-time freshman 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 American College Test (ACT) or the Scholastic Assessment Test (SAT I). The grade-point average is based on grades earned during the final three years of high school (excluding physical education and military science) and bonus points for approved honors courses. (See “Honors Courses”.) 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 I. 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 I, or 694 using the ACT; the Eligibility Index Tables (see Appendix A) illustrate several combinations of required test scores and averages. As of April 1995, SAT I (re-centered) scores increased the minimal eligibility index from 2800 to 2900 for California residents.

An applicant who did not graduate from a California high school nor is a resident of California for tuition purposes, needs a minimum index of 3402 (SAT I) or 842 (ACT), or 3502 (SAT I re-centered).

Applicants with grade point averages above 3.00 (3.60 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 I or ACT since all campuses use test results for advising and 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 last two years of high school 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. Within the 15 units completed, up to one unit (one year) in visual and performing arts or foreign language may be missing and offset by a college preparatory course(s) in other areas. The missing unit of visual and performing arts or foreign language must be completed either prior to, or by the end of the first year, of CSU enrollment. This provision is effective through the 2000 - 2001 academic year.

**English**, 4 years;

**Mathematics**, 3 years: algebra, geometry, and intermediate algebra; fourth year recommended;

**U.S. history** (or U.S. history and government), 1 year;

**Science**, 1 year with laboratory: biology, chemistry, physics, or other acceptable laboratory science;

**Foreign language**, 2 years in the same language (subject to waiver for applicants demonstrating equivalent competence);

**Visual and performing arts**, 1 year: art, dance, drama/theater, or music; and

**Electives**, 3 years: selected from English, advanced mathematics, social science, history, laboratory science, foreign language, visual and performing arts, and agriculture. A second year of laboratory science and of social science are recommended.

### 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 disabled student 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 disabled student services at your nearest CSU campus. (Also refer to Appendixes L and M.)

### 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 relations with schools 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 Director of Admissions and Records is responsible for approving these applications.

### Provisional Admission

CSU Stanislaus may conditionally 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/Honors 2000

For students of unusual curiosity, energy, and academic capability, the University provides an Honors Program. In the past, the heart of the Honors Program was an alternative General Education curriculum made up of a series of interdisciplinary seminars and sections of regular classes.

The Honors Program is now being redesigned and updated. Called Honors 2000, the new program is slated to begin in Fall 2000. Honors 2000 students will participate in high-level course work that helps them develop skills in information competence, research, critical thinking, academic writing, and other areas central to their individual major or discipline and enables them to participate in co-curricular activities that enrich and augment their academic experience and the life of the whole campus.

The new program will help students develop academic skills at a high level and delve into areas of inquiry within and beyond their major or discipline. Honors 2000 will give students an opportunity to participate in a community of faculty and students focused on an array of critical issues, and to work with individual faculty members who will serve as mentors and guides.

We are still planning the curriculum of Honors 2000. However, we are committed to the program being accessible and of interest to students in all majors, to transfer students as well as to entering freshmen, and to students of varying ages and levels of experience.

Founded on the values of academic excellence and our commitment to students working with faculty and with each other to explore and share ideas, Honors 2000 will be a centerpiece of the CSU Stanislaus' community of scholars.

If you would like more information about the new program, please call the Office of the Dean, College of Arts, Letters, and Sciences (209) 667-3531.

## 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 56 transferable semester units (84 quarter units) and:
  - a. Meets the freshman admission requirements in effect for the term of application. (See "Freshman Requirements" 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 56 transferable semester (84 quarter) units **and** meets the requirements listed below:
  - a. 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 English, arts and humanities, social science, science and mathematics at a level at least equivalent to courses which meet General Education requirements, **and**
  - b. Has completed all four CSU approved General Education requirements in communication in the English language and critical thinking (at least 9 semester units) and the requirement in mathematics/quantitative reasoning (usually 3 semester units) or, has completed the Intersegmental General Education Transfer Curriculum (IGETC) requirements in English communication and mathematical concepts and quantitative reasoning.

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.

## CSU Visitors Program

Any student entitled to continued enrollment at one of the other 22 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 before instruction begins.

## 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. 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.

## 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 in 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.

## 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 500/173 or above on the Test of English as a Foreign Language. Campuses may require a score higher than 500/173. CSU Stanislaus requires TOEFL part scores of at least 50/17. Applicants taking the Computer-Based Test of English as a Foreign Language must present a score of 173 or above with 17 part scores.

The English Language Proficiency Test (ELPT) will substitute for the Test of English as a Foreign Language (TOEFL) for admission purposes for those undergraduate applicants seeking admission through spring term 2001. The required minimum score to be considered comparable to a TOEFL score of 500 would be an ELPT score of 950.

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 INS I-20 Form 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.

## Insurance Requirement for International Student

As a condition of receiving an I-20 or IAP-66 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 Student Health Center in the Health Center Building (209) 667-3396.

## 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 permitted to enroll in 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 qualified applicants who would be faced with extreme hardship if not admitted. Petitioners should write the Director of Admissions and Records regarding hardship admission.

## Health Screening

All new and readmitted students, born after January 1, 1957, will be notified of the requirement to present proof of measles and rubella immunizations. This is *not* an admission requirement, but shall be required of students by the beginning of their second term of enrollment in the CSU. Proof of measles and rubella immunizations shall also be required for certain groups of enrolled students who have increased exposure to these diseases.

## Postbaccalaureate or Graduate Student Admission

See "Graduate Studies" section of this catalog.

## CSU Systemwide Test Requirements: English Placement (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. 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.

### 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.

### CSU English Placement Test (EPT)

The CSU English Placement Test must be completed by all non-exempt undergraduates prior to enrollment in **any** course in **any** department. 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. Inquires regarding the application of these policies should be directed to the English Department (L195 or the Academic Advising Office (C125) (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 Learning Disability Coordinator (SSB 118) (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 the first semester 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.)

#### Exemption from the EPT requires proof of one of the following:

*Note: Undergraduates admitted with 56 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.*

1. 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**
2. a score on the CSU English Equivalency Examination that qualifies the student for "Pass for Credit" or "Exemption" prior to July 1993; **or**

3. a score of 470 or above on the Verbal section of the College Board Scholastic Aptitude Test (SAT) taken prior to March 1994; **or**
4. a score of 470 or above on the Verbal section of the College Board SAT I:\*\*\* Reasoning Test taken between March 1994 and March 1995. (If taken after March 1995 see note\*\*\* below); **or**
5. a score of 22 or above on the American College Testing (ACT) English Usage Test taken prior to October 1989; **or**
6. a score of 25 or above on the enhanced ACT English Test taken October 1989 or later; **or**
7. a score of 600 or above on the College Board Achievement Test\*\*\* in English Composition with essay taken prior to January 1994; **or**
8. a score of 600 or above on the College Board SAT II\*\* Writing Test taken between January 1994 and March 1995. (If taken after March 1995, see note\*\*\* below.); **or**
9. 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 (see note\*\*\* below); **or**
10. a score of 660 or above on the College Board SAT II\*\* Writing Test taken between April 1, 1995 and April 1, 1998; **or**
11. a score of 680 or above on the re-centered and adjusted College Board SAT II\*\*\* Writing Test taken May 1998 or after; **or**
12. 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 English composition, provided that in each case the course was completed with a grade of C- or better.

**\*\*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	ENGL 0111 Writers' Workshop
149-150	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). 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 ENGL 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 the 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 the **first** semester 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.) 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 0105, Intermediate Algebra, at CSU Stanislaus or retake and pass the ELM test. After passing MATH 0105 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 0105 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 L 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 3 or above on the College Board Advanced Placement mathematics examination (AB or BC); **or**
2. a score of 3 or above on the College Board Advanced Placement statistics examination; **or**
3. a score of 560 or above on the mathematics section of the College Board SAT taken prior to March 1994; **or**
4. a score of 560 or above on the mathematics section of the College Board SAT I:\*\*\* Reasoning Test; **or** on the College Board SAT II\*\* Mathematics Test, Level I, IC, II, or IIC (Calculator), taken on or after March 1, 1994; **or**

5. a score of 24 or above on the American College Testing (ACT) Mathematics Test taken prior to October 1989; **or**
6. a score of 25 or above on the enhanced ACT Mathematics Test taken October 1989 and later; **or**
7. a score of 560 or above on the College Board Mathematics Achievement Test\*\*\* Level I or Level II taken prior to March 1994; **or**
8. a score of 560 or above on the College Board SAT II\*\* Mathematics Tests Level I, II, or IIC (Calculator) taken between March 1994 and March 1995. (If taken after March 1995, see note below.); **or**
9. 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.

**\*\*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; however, the SAT scores qualifying for exemption from the ELM remain the same.

### ELM Course Placement Requirements

Interpretation of ELM Scores for those who took the ELM Test after March 1992.

ELM Score	ELM Placement
0-360	Enroll in MATH 0101, Pre-Algebra, or retake and pass the ELM
370-470	Enroll in MATH 0102, Elementary Algebra, or retake and pass the ELM
480-540	Enroll in MATH 0105, Intermediate Algebra, or retake and pass the ELM
550-700	ELM pass; enroll in G.E. mathematics

### ELM Requirements Summary

All non-exempt admitted undergraduates must take the Entry Level Mathematics (ELM) Examination. To satisfy the ELM requirement, a student must take the ELM; **and either**

1. pass the ELM by scoring at least 550; **or**
2. be remediated at CSU Stanislaus through MATH 0105; **or**
3. pass with a C- grade or better a math course elsewhere that satisfies the General Education-Breadth requirement in quantitative reasoning. Students who take a remedial math course at a Community College, must still pass the ELM in order to register for a GE Math class at CSU Stanislaus. The ELM can be repeated for a higher score.

## Intensive Learning Experience (ILE) Program

All first-time freshman students are automatically part of 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 I (re-centered) 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 Coordinator, (209) 667-3247.

## Transcripts Required

Undergraduate applicants must request two sets of complete 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.

## Summer Session and Extension Registrants

Students seeking to enroll for summer session or extension 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.

## 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.

## 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 systemwide. These include Advanced Placement Examinations, International Baccalaureate Examinations, and College Level Examination Program (CLEP) examinations. Credit limitations are indicated below:

### Advanced Placement

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

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 N "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 O 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-F" 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 it raises the grade point average above a 5.00. Honor points are only calculated for grades eleven and twelve 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. A lesser amount of additional credit will be considered in some subjects for Standard (subsidiary) Level examinations (e.g., Foreign Language).
6. 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

Advanced placement in college courses and six semester units of appropriate CSU General Education credit is granted for a score of 4 or higher on *each* Higher Level International Baccalaureate Examination. Entering freshmen who are successful IB students with acceptable Higher Level examination marks can earn 24 or more semester units of advanced placement, including credit for subjects such as English, Biology, History, and an elective course in Psychology or the Arts. Additional credit will be considered in some subjects for satisfactory Standard (subsidiary) Level examination scores.

### 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 (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 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 one introduction to education course.

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. *Because a minimum of two years of upper-division study is required for graduation, it is advisable to transfer as soon as possible after completion of 56 transferable units.*

### 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 adviser 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 adviser that course scheduling adjustments may be warranted. Regular credit for this course work will be allowed based on adviser 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.

### 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, 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>.

## Veterans

Veterans who desire to have their military records evaluated for possible credit toward a baccalaureate degree must file a copy of their separation papers (DD 214) or form DD 295 with their application. Prompt submission of these records is **required** if Veterans educational benefits are being requested.

## Veterans Services

Veterans should contact the Department of Veterans Affairs to ascertain their eligibility under the various assistance programs.

California veterans or dependents of veterans should contact the California Department of Veterans Affairs for information regarding VA or Cal-Vet benefits, application procedures, or other related services.

The Veterans Office, Library 110, (209) 667-3081, offers assistance in securing veterans benefits, resolving transition problems and procedures when first enrolling at the University, obtaining tutoring, and handling financial problems. Information and referral services are provided for a wide range of other veteran-related needs.

## Servicemembers Opportunity Colleges

California State University, Stanislaus is a member of Servicemembers Opportunity Colleges (SOC), a group of over 400 colleges and universities providing postsecondary education to members of the military throughout the world. As an SOC member, CSU Stanislaus carefully evaluates and assigns credit for course work undertaken through each of the armed services, the Office of the Secretary of Defense, and a consortium of thirteen leading national higher education associations.

## Credit for Military Service

Undergraduate students who have completed basic training and one year of active duty military service will receive six semester units of credit toward admission. Four semester units of credit will be allowed to active duty reservists, or for less than one year of active service. Of this credit, two units of Health and one unit of Physical Education Activity will be awarded in G.E. Area E.

Courses taken at military service schools, if appropriate for a baccalaureate degree, may also yield credit. Students seeking Veterans educational benefits are **required** to promptly submit all military records pertaining to training and experience. Separation papers (DD 214) or form DD 295 and appropriate military community college transcripts verifying such experience must be filed with the Enrollment Services Office before credit will be allowed.

For veterans not requesting benefits, submission of these records is optional.

## Educational Assistance for Veterans

Applications for VA and Cal-Vet educational benefits must be made through the Veterans Office. The Veterans Office forwards all applications and necessary VA forms to the Department of Veterans Affairs for final claim determination. Please note unit load requirements below.

## Veteran Unit Load Requirements

For veterans and eligible dependents, all undergraduates are classified as full- or part-time according to the unit totals listed below:

Classification	Fall	Winter	Spring
Full-time	12 or more	3 or more	10 or more
3/4 time	9-11	2	7-9
1/2 time	6-8	N/A	5-6
Less than 1/2 time	4-5	1	4
1/4 or less	3 and below	N/A	3 and below

Graduate students are classified as full or part-time according to the unit totals below:

Enrollment	Fall/Spring Units	Winter Units
Full-time	7.0 or more	2.0 or more
3/4 time	6	N/A
1/2 time	4-5	N/A

## 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 adviser, the kind of curriculum that best meets the requirements set by the profession they wish to enter.

## Premedical and Health Professions Committee

The majority of students entering medical and dental schools in the United States do so after acquiring a B.A. or B.S. degree at an undergraduate college. Possession of an undergraduate degree is especially worthwhile, since professional schools do not offer liberal arts subjects.

Students enrolled at CSU Stanislaus may prepare for admission to professional schools in medicine, veterinary medicine, dentistry, pharmacy, optometry, and other health professions such as physical therapy. With the appropriate selection of courses, they may also qualify to apply for training in a medical laboratory and become certified medical laboratory technicians. The University offers pre-professional course work for areas such as laboratory technology, cytotechnology, nursing, and other paramedical and health-related fields. Preprofessional Studies information should be obtained from the appropriate department.

The Premedical and Health Professions Committee has been established to organize programs of study qualifying students for admission to professional schools. Students should register with the Committee as soon as possible by contacting the Committee Chair Flora Watson (209) 667-3483. A Committee member will prepare a suggested basic program of courses to supplement the curriculum outlined by the major adviser.

Most undergraduate majors are appropriate for a preprofessional student as long as certain basic subject areas are included in the program. For specific professional school requirements, refer to special sources such as "Medical School Admissions Requirements" (a publication of the Association of American Medical Colleges), and consult with the Committee.

The Committee will compile data on each student and prepare a letter of evaluation to be sent at the student's request in support of applications to professional schools. It is important to contact the Committee as soon as possible (preferably before interview with the major adviser) so the student can be advised properly. Registration with the Committee does not commit the student to any particular program or career.

Students especially interested in the areas of medicine, pharmacy, optometry, dentistry, and veterinary medicine are advised to complete, as a minimum, one-year sequences in English composition, biological sciences (ZOOL 1050 and BOTY 1050), chemistry (CHEM 1100, 1110), and physics (PHYS 2100, 2110), during their freshman and sophomore years. Mathematics to the level of precalculus (MATH 1100) should be attained by this time. Normally dental and medical school admission tests are taken in the spring of the junior year with the following additional preparation completed or in progress: CHEM 3010/3030, 3020/3040; and either ZOOL 3130, 3150 or BIOL 3310. MATH 1410 or 1910 is encouraged as preparation for these examinations also.

Additional recommendations will be provided through advisement from the Premedical and Health Professions Committee and the major adviser.

AMCAS (American Medical College Application Service), MCAT (Medical College Admission Test), DAT (Dental Admission Test), OAT (Optometry Admission Test), and VAT (Veterinary Admission Test) application forms, packets and information are available through the Committee.

## 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 adviser 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 adviser John T. Wold, (209) 667-3289.

## 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 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 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 advisers for additional information.

## Community Service and Service Learning

See the "Student Affairs" section of this catalog.

## Registration and Enrollment in Courses

Registration is the final step in the matriculation process. The *Schedule of Classes* listing courses offered is available before the academic advising period for each term. Once admitted to CSU Stanislaus, an undergraduate student **must** be advised to receive guidance on course selection. In order to receive advising, the student may: (a) schedule an appointment with the major department to meet with an academic adviser or (b) attend a new student orientation session for a more comprehensive introduction to the University. Participation in New Student Orientation is strongly recommended. Contact the Academic Advising Center at (209) 667-3304 for additional information. Certain graduate programs may require that a student receive advisement prior to registration.

## STAN Registration

Students may use STAN, the Student Telephone Access Network to register, add or drop courses, or withdraw from the university. STAN is the primary method of registration for most students, and is the only method for registering during the Priority Registration appointment period. Instructions for use of the STAN system, as well as the dates of registration, are included in the *Schedule of Classes*. The telephone number for STAN is (209) 664-STAN [7826]. **At the start of each term students should use STAN to verify the completeness and accuracy of all of their enrollment transactions.**

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, as required by State law.

**If a student unofficially drops a course or leaves CSU Stanislaus without officially dropping courses or withdrawing from the University through the Enrollment Services Office, the student may receive grades of U, F, or NC.** If a student attends a course without officially adding it through the Enrollment Services Office by the last day to add a course, the student 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 Disenrollment Privilege.")

## 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 COURSE ..... CSU STANISLAUS COURSE

CAN AJ 2	CJ 2250
CAN AJ 4	CJ 2280
CAN AJ 6	CJ 2260
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 12	BLW 2060
CAN CHEM 2	CHEM 1100
CAN CHEM 4	CHEM 1110
CAN CHEM 12	CHEM 2010
CAN CSCI 8	CIS 2010
CAN CSCI 10	CS 2700
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 COURSE ..... CSU 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 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 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.*

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## Retention Services

### Academic Advising

**Classroom Building 107, (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 Academic Advising Center. If you are uncertain about your choice of major or vocational goals, seek assistance from your faculty adviser or the Counseling/Career Development Center.

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.

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.

### Orientation Programs

All new students are urged to attend a New Student Orientation. 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 Academic Advising Center for more information.

### Adult Reentry Programs

**Classroom Building 125, (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 an orientation to the University, pre-admission advising and assessment, assistance with admission, in a supportive environment. Students over the age of 60 may qualify for the Senior Scholar Program, which provides them with a fee reduction. (See the Admission to the University section - Adult Students.)

### Counseling/Career Development/ Academic Support Services Center

**Student Services Building 113, (209) 667-3381**

**Website: <http://www.csustan.edu/counseling/>**

### Career Development Programs

You are encouraged to use the services of the Counseling/Career Development Center early. The Center provides interest inventories, ability and personality tests, to assist you in planning your career goals.

### Career Counseling

Trained professionals help you coordinate your educational and work goals. The Center offers counseling and workshops on identifying your career interests, job search techniques, preparation of resumes and interviewing, and life in the world of work.



### Career Information Library

The library contains occupational literature, corporate information, videotapes and information on career options, job search techniques, and interview skills. Listings of job openings are updated daily. Current job openings are also listed on the bulletin board next to the Student Employment Service Office (Student Services Building 113).

### Career Workshops

During Fall and Spring, you may attend career workshops on "Effective Job Search Techniques," "Resume Writing," "Developing Interview Skills," and "Career Interest Workshops." All workshops are free of charge to enrolled students, and are offered on a first-come, first-served basis.

### Career Days

Information on speakers on a variety of careers is available from the Counseling/Career Development Center.

### Career Fairs/Summer Job Fair

Call the Counseling/Career Development Center for information concerning spring Career and Teacher Fairs and the Summer Job Fair: private and public employers visit the campus to describe full-time career employment and summer employment opportunities. A workshop on "How to Find a Summer Job" is offered through the Center in the Spring.

### On-Campus Job Recruitment

During Fall and Spring, employers from business, education, public agencies, graduate programs, and the military interview seniors and graduate students on campus. Employers also provide information sessions open to all students.

### Guidance Information System

This computer-based system, available in the Counseling/Career Development Center, provides information on occupations, four-year colleges, graduate schools, and sources of scholarships and financial aid.

### Pathfinders

The Counseling/Career Development Center arranges for Pathfinders (alumni and friends of the University) to host students at their places of employment, allowing students to observe work activities and learn about specific occupations.

### Placement File

The Counseling/Career Development Center can assist you in preparing your placement file which summarizes your personal, educational and employment background and includes evaluations by former professors or employers. Placement files are usually compiled by the student during the final year of study.

### Student Employment Service

The Counseling/Career Development Center can help you find part-time or temporary employment on or off campus. Off-campus position announcements are posted on a job board in the Student Service Building.

### Community Service and Service Learning

Service Learning allows students to combine service to the community with academic study, earning college credits for integrating service and learning. Through critical reflection, students enhance their understanding of concepts and theories, by applying what they are learning to real life situations. Service learning expands the sense of civic responsibility and social consciousness, breaks down cultural barriers and opens the way for communication, and helps students explore career options. Many disciplines encourage service learning. For further information call Student Life Office, (209) 667-3449.

### Career Placement Information

The Counseling/Career Development Center has available upon request information concerning the employment record of graduates in particular career fields. The information indicates average starting salaries and the percentage of graduates obtaining employment.

### Counseling Programs

#### Personal Growth Presentations

The Counseling/Career Development Center offers workshops on assertiveness training, understanding different personality types, dealing with depression, stress management, effective communication, time management, dealing with personal loss, date rape, workshops for adult children of alcoholics or dysfunctional families, coping with burnout, dealing with difficult people, and self-esteem. All workshops free of charge on a first-come first-serve basis.

#### Legal Referral Program

The Legal Referral Program, located in the Counseling/Career Development Center, provides students with a half-hour of free consultation with an area attorney. Any subsequent cost is the responsibility of the student who must negotiate additional services and costs with the attorney. You must meet with a counselor before an appointment will be made with an attorney.

#### Personal Counseling

The Counseling/Career Development Center offers personal and group counseling to assist students with concerns related to marriage and family, emotional well-being, relationships, drug-related problems, and other matters of a personal nature. You may receive counseling to improve your self-confidence and increase the probability of academic and personal success.

### Disabled Student Services

#### Student Services Building 134, (209) 667-3159

The Disabled Student Services Office tests students who think that they have learning disabilities. It provides individualized support services for students with disabilities, including assistance with registration, orientation to campus, tutors and notetakers, reader services, interpreters, campus shuttle service, designated parking, testing accommodations, and liaison with faculty, University offices, and off-campus agencies.

### International Student Program

#### Student Services Building 130, (209) 667-3158

The International Student Office provides assistance to students from other countries in interpreting and meeting immigration regulations. Other services include personal and financial counseling and assistance in finding part-time employment and.

### Testing Services

#### Student Services Building 130, (209) 667-3157

Information on state and national testing programs, such as CBEST, EPT, ELM, GMAT, GRE, MSAT, NTE, SAT, and TOEFL, is available in the Testing Services Office.

### Faculty Mentor Program

#### Classroom Building 241, (209) 667-3021

The Faculty Mentor Program provides students from historically under-represented groups in higher education with their own personal faculty mentors and with a year-long program of activities and workshops.

The program is voluntary, but students who participate receive a unique opportunity for and make friends among faculty and students.

## Special Programs

Special Programs makes college attendance a reality for under-represented ethnic, first-generation college, low income, and limited English speaking students. Special Programs provides special admissions, transition assistance, and academic support services.

If you are interested in more information about Special Programs, please call or drop by the offices listed below.

### Educational Opportunity Program (EOP)

#### Student Services Building 145, (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. EOP provides a grant to eligible students.

### Student Support Services

#### Student Services Building 145, (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, and workshops on taking tests, study skills, time management, and preparation for ELM/EPT and CBEST. You must satisfy eligibility requirements for admission to the University in order to be admitted to the program.

### Summer Bridge Program

#### Student Services Building 145, (209) 667-3108

Summer Bridge offers an intensive four-week residential program of classes, seminars, tutoring, and academic advising to 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. Admission to Summer Bridge is limited.

## Student Life

### Student Life

#### Health Center Building, (209) 667-3144

The University provides programs and activities to enhance the quality of campus life outside of the classroom, from student government and clubs to intercollegiate and intramural athletics.

### Campus Student Relations and Judicial Affairs

This office handles student issues that involve violations of the Student Discipline Code, student rights and responsibilities, and academic integrity. Student disciplinary action is administered through this office. The director maintains a close "working relationship" with the Student Advocate to insure student needs and rights are addressed in a fair and timely manner.

### Health Services

#### Health Center, (209) 667-3396

The University provides health services to all registered students through the Health Center. Staffing consists of a physician, nurse practitioner, medical technologist, pharmacist, and clinical aides. The Health Center diagnoses and treats ambulatory illnesses and injuries, provides counseling on a variety of health concerns, birth control and family planning, and allergy injections. Health problems not within the scope of the medical staff are referred off campus. All referrals are the financial responsibility of the student.

## Supplemental Health Insurance

All students should carry supplemental health insurance to cover major accidents, illnesses, or medical referrals not handled by the Health Center. The University offers an inexpensive group policy; provision can be made for coverage of dependents. Forms are available at the Student Health Center.

## 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 for 356 students. 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 residents. Amenities include outdoor study areas, recreation room, laundry facility, computer lab, swimming pool, and covered bike storage.

## Off-Campus Student Housing

### Residential Life Village, (209) 667-3675

You may also obtain brochures and area maps on off-campus housing from the Housing and Residential Life Office. Apartment and apartment-mate listings are posted in the office. The office provides assistance with rental rates, deposits, and landlord conflicts. Call (209) 667-3675 for information concerning housing on or off-campus.

## Intramural, Leisure, and Sport Activities/ Wellness Program

### (209) 667-3150

The Recreational Sports Program sponsored by Associated Students, Inc., offers intramural sports and activities for all students. You may participate in organized events such as basketball, soccer, aerobics, swimming, volleyball, weight-lifting, football, softball. Physical education facilities, which include open gym, weight room, and the pool, are available for your use.

## Student Activities

### University Union, (209) 667-3778

Student recreational, social, and cultural programming originates from the University Union (209) 667-3776 and the Associated Students, Inc. (209) 667-3833 through the Student Activities Center. The Student Activities Center assists students in planning and presenting activities such as dances, comedy nights, recreational classes, speakers, concerts, outdoor recreation, special events. Activities are open to all members of the campus community.

## Associated Students, Inc.

### University Union, (209) 667-3833

The Associated Students, Inc., (ASI) is the official student government of the University. All students pay a student activity fee and are eligible to participate in all student-sponsored programs and activities and to run for student office. Elections are held yearly.

The Associated Students, Inc. funds and operates student programs and services including childcare subsidy, Kids Camp, intramural sports, student advocacy, student leadership program, and book exchange.

## University Union

### University Union 202A, (209) 667-3776

The University Union, a student-funded auxiliary, operates the student campus. The Union sponsors concerts, lectures, films, tournaments, exhibits, outdoor adventure programs, comedy nights, and other special events throughout the year.

The University Union includes the Event Center, three conference rooms, the Game Room and TV Lounge, Campus Video and Copy Center, and the Information Desk and Mail Center. In the Game Room, students can play pool table tennis, foosball, air hockey, and video games. Softball equipment, volleyball equipment, and a variety of board games are also available for student use. Additionally, the Game Room has book lockers available for rent each semester. The Information Desk and Mail Center is located in the lobby of the University Union just across from the entrance to KIVA Bookstore. In addition to Information Desk services, postage stamps and UPS shipping services (including overnight delivery) are available.

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

The University Union also houses the KIVA Bookstore and KIVA Computers, the Tutoring Center, Alumni Association, Women's Center, and Associated Students, Inc. offices.

For information about University Union programs and services call (209) 667-3776.

## Information Center

The campus Information Center is located in the lobby of the University Student Union Building and can be contacted at (209) 667-3122. The Information Center provides information about various campus activities and events and phone numbers for all faculty, staff, and campus departments. The Center also sells a number of items including photocopies, postage stamps, bus passes, and discounted movie tickets. The Center is staffed by student employees, Monday through Thursday, 8:00 a.m. to 7:00 p.m. and Friday, 8:00 a.m. to 5:00 p.m.

# Registration and Other Fees

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

1. The student was enrolled for residence credit course work after the Enrollment Census Date for a Fall or Winter or Spring term in the 12 months immediately preceding the start of the re-enrollment term desired; and

2. The student has not enrolled at another college or university or graduated from CSU Stanislaus or another college or university since last enrolled at CSU Stanislaus. Students who fail to graduate in the term for which they apply for graduation must reapply for graduation for the term in which they will complete their requirements in order to continue their enrollment at CSU Stanislaus.

Registration fees are payable at the time of registration. Students will be held to their fee status as of the last day to register or add a course without special approval. The following schedule reflects applicable fees and tuition at the time of publication of this catalog.

## Fee Schedule for 1999-2000

As of June 30, 1999

Fees are subject to change without notice

See the current *Schedule of Classes* for most recent fee schedule

	Summer (*) 1999	Fall 1999	Winter 2000	Spring 2000	Total
<b>Registration Fees:</b>					
State University Fee > 6 Units-Undergraduate	N/A	650.00	128.00	650.00	1,428.00
State University Fee <= 6 Units-Undergraduate	N/A	350.00	128.00	350.00	878.00
State University Fee > 6 Units-Graduate	N/A	685.00	136.00	685.00	1,506.00
State University Fee <= 6 Units-Graduate	N/A	370.00	136.00	370.00	876.00
IRA-Instructionally Related Activity	0.00	18.00	4.00	18.00	40.00
Health Facility	0.00	2.50	1.00	2.50	6.00
Health Services	0.00	60.00	20.00	60.00	140.00
University Union	12.00	47.00	6.00	47.00	100.00
ASI-Associated Students	2.00	28.50	3.00	28.50	60.00
Athletics	0.00	12.50	0.00	12.50	25.00
Registration Fees - Subtotal > 6 Units Undergraduate	Varies by class	818.50	162.00	818.50	1,799.00
Registration Fees - Subtotal <= 6 Units Undergraduate	Varies by class	518.50	162.00	518.50	1,199.00
Registration Fees - Subtotal > 6 Units Graduate	Varies by class	853.50	170.00	853.50	1,877.00
Registration Fees - Subtotal <= 6 Units Graduate	Varies by class	538.50	170.00	538.50	1,247.00
<b>Non-Resident Tuition (**)</b>					
Per Unit	N/A	246.00	246.00	246.00	
Installment Payment Plan Charge, % Of Amount Financed	N/A	15.00%	15.00%	15.00%	
Missed Fee Payment	N/A	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	

(\*) University Extended Education Summer School Fees Vary By Class

(\*\*) Non-Resident Tuition Is \$246 Per Unit In Addition To The Above Fees

	Summer (*) 1999	Fall 1999	Winter 2000	Spring 2000
Parking- Daily	1.50	1.50	1.50	1.50
Parking Decal Hanger	1.00	1.00	1.00	1.00
Parking (Replacement Decal)	5.00	5.00	5.00	5.00
Fingerprints	10.00	10.00	10.00	10.00
Vehicle Impound Release	40.00	40.00	40.00	40.00
State Key Replacement	25.00	25.00	25.00	25.00
Admission Application (Non-Refundable)	N/A	55.00	55.00	55.00
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)	N/A	3.00	3.00	3.00
Graduation Application	15.00	15.00	15.00	15.00
Reapplication for Graduation	10.00	10.00	10.00	10.00
Diploma	10.00	10.00	10.00	10.00
Late Admission Application	N/A	15.00	15.00	15.00
Petition of Univ Deadline/Requirement	10.00	10.00	10.00	10.00
Late Add (After Deadline For Adding Course)	10.00	10.00	10.00	10.00
Priority Processing of Transcript Request	10.00	10.00	10.00	10.00
Priority Processing of Graduation Clearance	10.00	10.00	10.00	10.00
Certification of Enrollment/ or Degree	5.00	5.00	5.00	5.00
Document Replacement	5.00	5.00	5.00	5.00
Revised Credit Evaluation	10.00	10.00	10.00	10.00
Music - Instrument Rental		30.00	30.00	30.00
Music - Locker		5.00	5.00	5.00
OIT - Laser Printing Card	5.00	5.00	5.00	5.00
OIT - Laser Printing Card	2.00	2.00	2.00	2.00
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
Writing Proficiency Screening Test (WPST)		25.00	25.00	25.00
Credential Program Application Evaluation		25.00	25.00	25.00
Health Center Services	Closed	Various	Various	Various
Physical Exams:				
Department of Motor Vehicles		25.00	25.00	25.00
Child Development		10.00	10.00	10.00
Gyn-Annual		20.00	20.00	20.00
Comprehensive		25.00	25.00	25.00
Routine		25.00	25.00	25.00
Sports		10.00	10.00	10.00
Housing:				
Rent Deposit		200.00	200.00	200.00
Board Deposit		0.00	0.00	0.00
Security Deposit		100.00	100.00	100.00
Application (Non-Refundable)		40.00	40.00	40.00
Activities Service Charge-Annual		25.00	25.00	25.00
Computer Connection Installation:				
Network Installation	100.00	100.00	100.00	100.00

(\*) University Extended Education Summer School Fees Vary By Class

Course Fees:	Fall 1999	Winter 2000	Spring 2000
Advanced Studies 4730-Microcomputers, Curriculum, and Instruction	10.00	10.00	10.00
Astronomy 2112-Astronomy Laboratory	10.00	10.00	10.00
Biology 1020-World of Biology	5.00	5.00	5.00
Biology 4312-Histological and Cytological Techniques	10.00	10.00	10.00
Biology 4632-Marine Biology	10.00	10.00	10.00
Biology 4682-Ecology	10.00	10.00	10.00
Biology 4820-Cytogenetics	5.00	5.00	5.00
Biology 4842-Recombinant DNA Lab	25.00	25.00	25.00
Biology 4952-Selected Topics in Biological Science	Varies by course and semester		
Botany 1052-Introduction to Botany	5.00	5.00	5.00
Botany 3002-Plant Propagation	10.00	10.00	10.00
Botany 3102-Survey of Nonvascular Plants	10.00	10.00	10.00
Botany 3122-Morphology of Vascular Plants	10.00	10.00	10.00
Botany 3702-Flowering Plants	10.00	10.00	10.00
Botany 4202-Plant Physiology	20.00	20.00	20.00
Botany 4602-Plant Ecology	10.00	10.00	10.00
Chemistry 1002-Chemistry in The Modern World	15.00	15.00	15.00
Chemistry 1102-Principles of Chemistry I	15.00	15.00	15.00
Chemistry 1112-Principles of Chemistry II	15.00	15.00	15.00
Chemistry 2002-Experiments for the Elementary Classroom	15.00	15.00	15.00
Chemistry 2012-Quantitative Analysis	15.00	15.00	15.00
Chemistry 2502-Chemistry of Photography Laboratory	15.00	15.00	15.00
Chemistry 3012-Organic Chemistry I	15.00	15.00	15.00
Chemistry 3022-Organic Chemistry II	15.00	15.00	15.00
Chemistry 4102-Instrumental Analysis Laboratory	15.00	15.00	15.00
Chemistry 4212-Advanced Chemistry Laboratory	15.00	15.00	15.00
Chemistry 4402-Biochemistry Laboratory	15.00	15.00	15.00
CIS 2002-Introduction to CIS	25.00	25.00	25.00
CIS 3012-Advanced Cobol Programming	25.00	25.00	25.00
CIS 3732-Structured Programming	25.00	25.00	25.00
CIS 3762-Computer Graphics	25.00	25.00	25.00
CIS 4713-Information Systems Management	25.00	25.00	25.00
CIS 4723-Database Management	25.00	25.00	25.00
CIS 4753-Decision Support Systems	25.00	25.00	25.00
CIS 4773-Systems Analysis and Design	25.00	25.00	25.00
CIS 4783-CIS Design	25.00	25.00	25.00
CIS 4803-Data Communications	25.00	25.00	25.00
Entomology 3742-Insect Classification	10.00	10.00	10.00
Geography 4703-Death Valley Landscapes	135.00	135.00	135.00
Geology 2002-Regional Geology of California Lab	15.00	15.00	15.00
Geology 2102-Principles of Geology Lab	10.00	10.00	10.00
Geology 2202-Historical Geology Lab	10.00	10.00	10.00
Geology 3002-Physical and Environmental Geology Lab	10.00	10.00	10.00
Geology 3302-Paleontology Lab	10.00	10.00	10.00
Geology 3400-Plate Tectonics	10.00	10.00	10.00
Geology 3702-Igneous and Metamorphic Petrology Lab	15.00	15.00	15.00
Geology 3900-Soil Geology	8.00	8.00	8.00
Geology 4003-California Field Excursions Activity	15.00	15.00	15.00
Geology 4302-Minerals and Crystals Lab	10.00	10.00	10.00
Geology 4362-Structural Geology Lab	10.00	10.00	10.00

	<b>Fall 1999</b>	<b>Winter 2000</b>	<b>Spring 2000</b>
Geology 4502-Field Geology Lab	20.00	20.00	20.00
Microbiology 3032-Bacteriology Lab	25.00	25.00	25.00
Music 1610-Freshman Level Keyboard	50.00	50.00	50.00
Music 1640-Freshman Level Voice	50.00	50.00	50.00
Music 1670-Freshman Level Orchestral Instruments	50.00	50.00	50.00
Music 2610-Sophomore Level Keyboard	50.00	50.00	50.00
Music 2640-Sophomore Level Voice	50.00	50.00	50.00
Music 2670-Sophomore Level Orchestral Instruments	50.00	50.00	50.00
Music 3610- Junior Level Keyboard	50.00	50.00	50.00
Music 3640-Junior Level Voice	50.00	50.00	50.00
Music 3670-Junior Level Orchestral Instruments	50.00	50.00	50.00
Music 4610-Advanced Level Keyboard	50.00	50.00	50.00
Music 4640- Advanced Level Voice	50.00	50.00	50.00
Music 4670- Advanced Level Orchestral Instruments	50.00	50.00	50.00
Nursing 3002-Health Assessment	25.00	25.00	25.00
Nursing 3410-Community Health Practicum	17.00	17.00	17.00
Operations Management 3022-Management Science	25.00	25.00	25.00
Physics 1502-Energy and Matter Laboratory	10.00	10.00	10.00
Physics 2102-Basic Physics I Lab	10.00	10.00	10.00
Physics 2112-Basic Physics II Lab	10.00	10.00	10.00
Physics 2252-General Physics I Lab	10.00	10.00	10.00
Physics 2262-General Physics II Lab	10.00	10.00	10.00
Teacher Education 4130-Elementary Curriculum and Instruction-Science	5.00	5.00	5.00
Zoology 1052-Introduction to Zoology	5.00	5.00	5.00
Zoology 2232-Physiology Lab	15.00	15.00	15.00
Zoology 2252-Human Anatomy	20.00	20.00	20.00
Zoology 2663-Bird Watching	10.00	10.00	10.00
Zoology 3152-Comparative Anatomy of Vertebrates	25.00	25.00	25.00
Zoology 3612-General Vertebrate Zoology	10.00	10.00	10.00
Zoology 3663-Bird Watching	10.00	10.00	10.00
Zoology 4152-Animal Cells and Tissues	20.00	20.00	20.00
Zoology 4232-Animal Physiology	20.00	20.00	20.00
Zoology 4282-Physiology Of Human Systems	20.00	20.00	20.00
Zoology 4422-Invertebrate Zoology I	20.00	20.00	20.00
Zoology 4432-Invertebrate Zoology II	10.00	10.00	10.00
Zoology 4442-General Parasitology	10.00	10.00	10.00
Zoology 4622-Herpetology	5.00	5.00	5.00
Zoology 4632-Ornithology	20.00	20.00	20.00

# Financial Aid and Scholarships

Office: Library Building Room 110  
(209) 667-3336  
Director: Joan Hillery

*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.*

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. 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 or scholarships 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/Admin\\_Services/Student](http://www.csustan.edu/Admin_Services/Student) or through the Student Telephone Access Network (STAN) at (209) 664-STAN [7826]. Instructions for use of the STAN system are included in the *Schedule of Classes*.

## Financial Aid Programs Available to Qualified Students

### 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 six months after the date the borrower ceases to maintain at least halftime 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 "subsidies" 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.

### Alan Pattee Scholarships

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 are not charged fees or tuition of any kind at any California State University campus, according to the Alan Pattee Scholarship Act, *California Education Code* Section 68121. Students qualifying for these benefits are known as Alan Pattee scholars. For further information contact the Associate Director of Admissions and Records at (209) 667-3094.

### 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

*Students are held individually responsible for knowing and complying with these regulations.*

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## Adding and Dropping Courses

Courses may be added or dropped by a student via the Student Telephone Access Network (STAN) 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 U, 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 STAN 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 Academic Calendar by either (a) filing an approved Add/Drop Form with the Enrollment Services Office, or (b) adding via STAN. 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 Academic 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 STAN 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 (twentieth day of instruction in a semester; sixth day of instruction during Winter Term) as indicated in the Academic 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 STAN.

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 add 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 124 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 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 Address

**Students who change mailing or permanent addresses after admission or registration should immediately notify the Enrollment Services Office.** This information is needed in order to ensure that registration information, correspondence, and other such materials reach the student without unnecessary delay.

## Class Attendance

Regularity in attending classes is assumed. Students are allowed no specified number of absences, but legitimate absences for which instructors will make allowances are illness, accident, death in family, and university activities which the student is obligated to attend. In such cases, the instructor may give the student opportunity to make up the work missed.

## 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."

## 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 Office.

## General Education Credit

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 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 H of this catalog.

## Grade Reports To Students

Students may access their term course grades on the Internet at [http://www.csustan.edu/Admin\\_Services/Student](http://www.csustan.edu/Admin_Services/Student) or through STAN, the Student Telephone Access Network at (209) 664-STAN [7826]. Instructions for use of the STAN system are included in the *Schedule of Classes*. Students may also order an official transcript after the conclusion of each semester, term, and summer session.

## 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. The student is responsible for obtaining the instructor's approval for the incomplete as well as determining the exact requirements that must be satisfied to remove the incomplete. The conditions for removal of the incomplete shall be put in writing by the instructor and given to the student, with a copy placed on file with the department chair. A final grade will be assigned when the work agreed upon has been completed and evaluated.

Any incomplete must be made up within the time limit set by the instructor; in any case, no more than one calendar year following the end of the term in which the incomplete was assigned. This limitation prevails whether or not the student maintains 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 F for grading option 3. (See "Academic Standards" section of this catalog and the *Schedule of Classes* for grading options.)

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

## 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 Disenrollment Privilege

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 twentieth day of instruction (by the census date) each semester.

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. These administrative drops may be without penalty and must be filed by the instructor with the Enrollment Services Office no later than the census date, the twentieth instructional day in fall or spring semester (the sixth day of Winter Term). **If the instructor fails to administratively drop a student who has not attended class, it is still the student's responsibility to timely drop the class through the Enrollment Services Office.**

## Leaves of Absence

### Planned Student Leave

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 and health screening 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—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 the right to degree or credential requirements which were fixed at the time of admission to the University or admission to a degree or credential program. 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, as amended, and the administrative regulations adopted thereunder 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 Title IX to programs and activities of California State University, Stanislaus, may be referred to the Assistant to the President for Affirmative Action, 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, as amended, and the Americans with Disabilities Act (1990) and the regulations adopted thereunder prohibit such discrimination. The Assistant to the President for Affirmative Action has been designated to coordinate the efforts of California State University, Stanislaus to comply with the Acts and their implementing regulations. Inquiries concerning compliance may be addressed to this person at the Affirmative Action Office, 801 W. Monte Vista Avenue, Turlock, California 95382, 667-3011, or to the Regional Director of the Office for Civil Rights, Region 9, 221 Main Street, 10th Floor, San Francisco, California 94105.

### 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, or National Origin

The California State University complies with the requirements of Title VI of the Civil Rights Act of 1964 and the regulations adopted thereunder. 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 Affirmative Action, 667-3011, or to the Regional Director of the Office for Civil Rights, Region 9, 221 Main Street, 10th Floor, San Francisco, California 94105.

### 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 Affirmative Action, 667-3011, or to the Regional Director of the Office for Civil Rights, Region 9, 221 Main Street, 10th Floor, San Francisco, California 94105.

### 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. Additional units in a Winter Term requires 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. 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, the Academic Advising Center, and/or the Graduate Studies 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 Academic Advising Center or the Enrollment Services Office, and graduate program students should file petitions with the Graduate Studies 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.

## 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. Students graduating Spring Semester may also request to have the preceding Winter Term course included as postbaccalaureate credit if not used for degree requirements. Students graduating Winter Term may request to have the preceding Fall Semester courses included as postbaccalaureate credit if not used for degree requirements. Students graduating Summer Session may request to have the preceding Spring Semester courses included as postbaccalaureate credit if not used for degree requirements. Students graduating Fall Semester may request to have the preceding Summer Session courses included as postbaccalaureate credit if not used for degree requirements.

## Privacy Rights of Students Regarding Education Records

Refer to Appendix I.

## Satisfactory Progress Work

The SP (Satisfactory Progress) 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 and has been evaluated and found to be satisfactory to date, but that assignment of a precise grade must await completion of additional work.

SP grades shall be removed within one year after issuance of the grade except for 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 satisfactory progress (SP) grade. The SP will remain through the period of the program which is limited to a maximum of seven years. If the SP is not removed within these time limits, the grade will revert to NC for grading options 1 and 2, and to a grade of F for grading option 3. An extension of time may be granted via appropriate petition to the academic department where the courses were offered for undergraduate students or the Graduate Studies Office for graduate students.

## Sexual Harassment Policy and Procedures

Refer to Appendix K.

## 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 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 course work only; not admitted
Summer	Permitted to register for summer session course work only; not admitted
Visitor	Permitted to register for a single term only

### Enrollment status:

Continuing	Student who had credits attempted during the prior term
Returning	A former 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
Fulltime	10.0 or more	3.0 or more
3/4	7.0–9.5	2.0–2.5
1/2	5.0–6.5	1.5
1/4	4.0–4.5	1.0
Less than 1/4	.5–3.5	.5

### 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 Term 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.*
4. *Veterans should refer to the section on Veterans status for classification information.*

## 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
Full-time	7.0 or more	2.0 or more
3/4	5.5–6.5	NA
1/2	4.0–5.0	NA
1/4	NA	NA
Less than 1/4	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.*

## 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 two weeks for transcript processing.

## 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.

## Use of Social Security Number

Applicants are required to include their Social Security account number in designated places on applications for admission pursuant to the authority contained in Section 41201 of Title 5, California Code of Regulations. The Social Security account number is used as a means of identifying records pertaining to the student as well as identifying the student for purposes of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the institution.

## Withdrawal From CSU Stanislaus

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 (twentieth day of instruction in a semester; the sixth day for Winter 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 U, 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 Term) 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.**

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## 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 are 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](http://www.csustan.edu/Admin_Services/Student) or through the Student Telephone Access Network (STAN) at (209) 664-STAN [7826]. Instructions for use of the STAN system are included in the *Schedule of Classes*.

## Administrative Symbols

**U—Unauthorized Incomplete:** The symbol U indicates that an enrolled student did not withdraw from the course but 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 U is inappropriate and NC is used instead. For purposes of grade point average computation, the U 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 F for grading option 3. (See Grading Options below.) An extension of time may be granted via approved petition. Not used in grade point average calculation. (See Incomplete Work under Academic Policies and Procedures.)

**RD—Report Delayed:** No grade reported by the instructor. RD grades will revert to a NC or U 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 twentieth day of instruction. 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.)

**SP—Satisfactory Progress:** Indicates that work is in progress and has been evaluated and found to be satisfactory to date, but that assignment of a precise grade must await completion of additional work which normally requires more than one term to complete (e.g., master’s thesis). SP grades shall be removed within **one year** after issuance of the grade except for 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 satisfactory progress (SP) grade. The SP will remain through the period of the program which is limited to a maximum of seven years. If the SP 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 SP 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.)



## 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 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 twentieth instructional day of the Fall or Spring semester and by the sixth instructional day of the Winter Term unless the instructor agrees to establish a later date. 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, and U and dividing the total number of grade points by the number of graded units attempted. AU (Audit), CR (Credit), I (Incomplete), NC (No Credit), RD (Report Delayed), SP (Satisfactory Progress), and W (Withdrawn) enrollments 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
U	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.

## 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, SP, AU).

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

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

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

## 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 probation or disqualification. (See Grade Point Computation and Undergraduate Degree Requirements.)

## Probation

**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.

## Disqualification

A student **on probation** becomes subject to academic disqualification when the student:

1. accrues, as a freshmen or sophomore (less than 60 credits completed), a cumulative CSU Stanislaus grade deficiency of 15 or more grade points; **or**
2. accrues, as a junior (60–89 credits completed), a cumulative CSU Stanislaus grade point deficiency of 9 or more grade points; **or**
3. accrues, as a senior or postbaccalaureate student (90 or more credits completed) a cumulative CSU Stanislaus grade point deficiency of 6 or more grade points; **or**
4. earns U or F grades in 4 or more units of course work in a fall or spring semester.

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

No student will be automatically disqualified. The Academic Advising Center will review the case of each student eligible for disqualification.

Students also may be subject to expulsion, suspension, and/or probation for other causes. See “Student Discipline,” Appendix G of this catalog.

## Special Administrative Action

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

1. Withdrawal in two successive terms or in any three terms from more than half of the credits for which student is registered as of the end of the fourth week of a semester.
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 disqualification. Furthermore, a student who has been placed on administrative-academic probation later may be 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 Academic Advising Center. However, reinstatement generally is not approved for the semester immediately following disqualification. Advising Center decisions may be petitioned to the University Appeals Committee.

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

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/School 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.

# Office of Global Affairs

Office: Classroom Building 123  
(209) 667-3117

Director: Linda Bunney-Sarhad

*Developing intercultural communication skills and international understanding among its students is a vital mission of The California State University.*

## Office of Global Affairs

In support of the University's strategic plan to produce graduates who are globally aware, the Office of Global Affairs (OGA) provides leadership and support in the effort to "globalize" the campus and curriculum. The OGA supports and monitors most of the University's international programs, including study abroad, faculty and student exchanges, curricular projects, overseas development projects, outreach to the service region's diverse immigrant and refugee populations, State global education and foreign language outreach to K-12 schools, and other efforts.

### Study Abroad

The campus Study Abroad Office is located in the Office of Global Affairs. Study Abroad can be an exciting and life-changing experience for students who are curious about other languages, peoples, and ways of life. CSU Stanislaus formally sponsors four categories of Study Abroad experiences:

### The University Studies Abroad Consortium (USAC)

The USAC offers semester, year, and summer programs in seven countries. As an Associate Member of USAC, CSU Stanislaus refers students to these programs in Spain, Italy, Germany, France, Costa Rica, China, and Chile.

### Exchange Programs

Exchange programs have been established with the Norwich (England) School of Art and Design, the Haarlem Business School (the Netherlands), and the Aarhus School of Business (Denmark). Students in appropriate disciplines can participate in one-for-one student exchanges, which provide inexpensive access to Study Abroad.

### Faculty-Led Study Programs

Faculty-led study programs offer students the opportunity to carry out study, research, or intensive Spanish immersion programs under the guidance of a CSU Stanislaus faculty member. For information on current faculty-led study abroad, see the Office of Global Affairs.

## The California State University International Programs

Developing intercultural communication skills and international understanding among its students is a vital mission of The California State University (CSU). Since its inception in 1963, the CSU International Programs has contributed to this effort by providing qualified students an affordable opportunity to continue their studies abroad for a full academic year. More than 12,000 CSU students have taken advantage of this unique study option.

International Programs participants earn resident academic credit at their CSU campuses while they pursue full-time study at a host university or special study center abroad. The International Programs serves the needs of students in over 100 designated academic majors. Affiliated with more than 70 recognized universities and institutions of higher education in 16 countries, the International Programs also offers a wide selection of study locales and learning environments.

International Programs pays all tuition and administrative costs for participating California resident students to the same extent that such funds would be expended to support similar costs in California. Participants are responsible for all personal costs, such as transportation, room and board, living expenses, and home campus fees. Participants remain eligible to receive any form of financial aid (except work-study) for which they can individually qualify.

To qualify for admission to the International Programs, students must have upper division or graduate standing at a CSU campus by the time of departure. Students at the sophomore level may, however, participate in the intensive language acquisition programs in France, Germany, and Mexico. California Community Colleges transfer students are eligible to apply directly from their community college if they can meet these requirements. Students must also possess a current cumulative grade point average of 2.75 or 3.0, depending on the program for which they apply. Some programs also have language study and/or other coursework prerequisites.

Additional information and application materials may be obtained on campus, or by writing to The California State University International Programs, 401 Golden Shore, Long Beach, California 90802-4275. Visit us on the Internet at [www.gateway.calstate.edu/csuienet/](http://www.gateway.calstate.edu/csuienet/).

See next page for a listing of affiliated institutions.

The International Programs affiliated institutions are:

<b>Australia</b>	The University of Western Sydney	<b>Israel</b>	Tel Aviv University The Hebrew University of Jerusalem
<b>Canada</b>	The universities of the Province of Quebec including: Université de Montréal Concordia University Université Laval McGill University Université du Quebec system Bishop's University, i.a.	<b>Italy</b>	CSU Study Center (Florence) Università degli Studi di Firenze La Accademia di Belle Arti Firenze
<b>Denmark</b>	Denmark's International Study Program (the international education affiliate of the University of Copenhagen)	<b>Mexico</b>	Universidad Pedagógica Nacional (Mexico City) Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Querétaro
<b>France</b>	Institut des Etudes Françaises pour Étudiants Étrangers, Université de Droit, d'Economie et des Sciences d'Aix-Marseille (Aix-en-Provence) Mission interuniversitaire de coordination des échanges franco-américains, Universités de Paris III, V, VI, VIII, X, XI, XII, XIII	<b>New Zealand</b>	Lincoln University (Christchurch) Massey University (Palmerston North)
<b>Germany</b>	The institutions of higher education in the German Federal State of Baden-Württemberg, including:  Universität Freiburg Fachhochschule Furtwangen Universität Heidelberg Universität Hohenheim Universität Karlsruhe Universität Konstanz Fachhochschule Mannheim Universität Mannheim Fachhochschule Nürtingen Fachhochschule Reutlingen Berufsakademie Stuttgart Universität Stuttgart Musikhochschule Trossingen Universität Tübingen Universität Ulm	<b>Spain</b>	Universidad Complutense de Madrid Universidad de Granada
		<b>Sweden</b>	Uppsala Universitet
		<b>Taiwan</b>	National Chengchi University (Taipei)
		<b>United Kingdom</b>	Bradford University Bristol University Hull University Kingston University (Greater London) Sheffield University University of Wales, Swansea
		<b>Zimbabwe</b>	University of Zimbabwe (Harare)

# Undergraduate Degree Requirements

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## 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 31 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 CSUS 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 Academic Advising Center.

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

## 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 the Multi-Campus Regional Center in Stockton. (See the current Schedule of Classes.)

Courses typically will be offered on a 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 Multi-Campus Regional Center 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:***

- Nursing (three year cycle)
- Political Science (most classes available)
- Business Administration, BS (general business concentration)

***The upper-division degree major programs that will be available in the late afternoons and evenings at the Multi-Campus Regional Center in Stockton are as follows:***

- Business Administration, BS (general business concentration)
- Child Development, BA
- Organizational Communication, BA
- Psychology, BA
- Social Sciences, BA
- Liberal Studies, BA

## 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 "School 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:

<b>Anthropology</b> .....	<b>79</b>	<b>French</b> .....	<b>201</b>
Ethnology .....	80	<b>Geography</b> .....	<b>156</b>
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Prehistoric Archaeology .....	80	<b>Geology</b> .....	<b>161</b>
<b>Applied Studies</b> .....	<b>85</b>	Petroleum Geology/Exploration	
<b>Art</b> .....	<b>86</b>	Geophysics .....	162
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Painting .....	87	<b>Liberal Studies*</b> .....	<b>178</b>
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<b>Biological Sciences</b> .....	<b>93</b>	Bilingual/Cross Cultural - S.E. Asian .....	182
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Management .....	282	Applied Physics .....	230
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Operations Management .....	289	Environmental Sciences .....	230
<b>Chemistry</b> .....	<b>101</b>	<b>Physics</b> .....	<b>229</b>
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<b>Child Development</b> .....	<b>106</b>	Public Administration .....	241
<b>Cognitive Studies</b> .....	<b>113</b>	<b>Psychology</b> .....	<b>244</b>
<b>Computer Information Systems</b> .....	<b>292</b>	Developmental Psychology .....	245
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<b>Computer Science</b> .....	<b>121</b>	International Studies .....	256
<b>Criminal Justice</b> .....	<b>125</b>	Urban and Community Studies .....	251
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\* See "Liberal Studies" section for a complete list of liberal studies concentrations.

\*\* Upper-division program open to RNs only.

## 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 adviser 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 the pages where they appear in this catalog:

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## 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 Session 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 124 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 sessions 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, and
3. all residence credit units attempted at the University.



## General Education-Breadth Requirements<sup>1</sup>

### The General Education Program

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

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.

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

## 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<sup>2</sup>

(9 units minimum)

1. **Oral Communication Requirement**  
COMM 2000 Public Speaking, 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  
(Both require an EPT score of 149 or above prior to enrollment.)
3. **One course selected from the following:**  
ENGL 2000 Critical Inquiry, 3 units, **or**  
PHIL 2000 Philosophical Inquiry, 3 units

#### 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)

<sup>2</sup> Area A.1, 2 and 3 must be completed before the junior year. Transfer students who have not completed Area A must do so during their first year in residence.

CHEM 1110	Principles of Chemistry II, 5 units (includes lab)
CHEM 2400	Science of Winemaking, 4 units (no lab credit)
CHEM 2500	Chemistry of Photography, 4 units (includes lab)
CHEM 2600	Consumer Chemistry, 4 units
GEOL 2001	Regional Geology of California, 3 units (includes lab)
GEOL 2100	Principles of Geology, 3 units (no lab credit)
GEOL 2102	Principles of Geology Lab, 1 unit
GEOL 2200	Historical Geology, 4 units (includes lab)
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, <b>and</b>
PHYS 1502	Optional lab, 1 unit
PHYS 2100	Basic Physics I, 5 units (includes lab)
PHYS 2110	Basic Physics II, 5 units (includes lab)
PHYS 2250	General Physics I, 4 units, <b>and</b>
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)
ZOOL 1050	Introduction to Zoology, 4 units (includes lab)

## 3. Mathematics<sup>3</sup>

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 550 or above prior to enrollment.

## C. Humanities Requirement<sup>4</sup>

(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	Elements of Design and Color, 3 units
ART 1200	Three-Dimensional Design, 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

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

### 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

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

## D. Social, Economic, and Political Institutions and Human Behavior (12 units minimum)

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

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

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

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

HIST 2600	Problems in U.S. History, 3 units
HIST 3610	Colonial America, 3 units
HIST 3620	Early National America, 3 units
HIST 3630	America After the Civil War, 3 units
HIST 3640	Contemporary America, 3 units
- One course covering United States Constitution and California State and local government:
 

PSCI 1201	American Government, 3 units
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<sup>3</sup> Area B3 must be completed before the Junior year; transfer students who have not completed Area B3 must do so during their first year in residence. Requirements may be partially satisfied by acceptable scores on a CLEP Subject Examination or a CSU mathematics test (See Appendix O. (See Appendix L for Learning Disabled Student waiver.)

<sup>4</sup> Requirements may be satisfied partially by acceptable scores on the CLEP Humanities General Examination.

2. **A minimum of one course from each group is required<sup>5</sup>**

a. **Human Institutions:**

- Structures and Processes  
 COMM 2011 Introduction to Communication Studies, 3 units  
 COMM 2200 Introduction to Mass Media, 3 units  
 ECON 2500 Principles of Macroeconomics, 3 units  
 ECON 2510 Principles of Microeconomics, 3 units  
 HIST 1010 World Civilizations I, 3 units (G)  
 HIST 1020 World Civilizations II, 3 units (G)  
 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  
 GEOG 2010 Introduction to Natural Environment, 3 units  
 GEOG 2020 Introduction to Cultural Geography, 3 units (G)  
 GEOG 2400 World Regional Geography I: Europe and Asia, 3 units  
 GEOG 2410 World Regional Geography II: Africa, Australia, and Latin America, 3 units  
 PSYC 2010 Introduction to Psychology, 3 units  
 WMST 2020 Introduction to Women's Studies, 3 units

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

Note: Include one course from each group of courses:

1. CIS 2000 Introduction to Business Computer Systems, 3 units  
 HLTH 1000 Health in Today's Society, 3 units  
 NURS 2040 Better Health with Self-Care, 2 units  
 NURS 2042 Better Health with Self-Care Activity, 1 unit  
 PSYC 1000 Sexual Behavior, 3 units  
 PSYC 2030 Psychology of Adjustment, 3 units  
 SOCL 2000 Intergenerational Experiences and Life Course Developments, 2 units  
 WMST 2500 Women's Development and Lifestyle Choice, 3 units
2. **PHED 1010–1999 Physical Education Activities, 1 unit<sup>6</sup>**

**F. Upper-Division General Education Requirements**

(9 units minimum)

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

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

1. **Natural Science and Mathematics**

a. **Biology**

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

b. **Chemistry**

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

c. **Computer Science**

- CS 4000 Personal Computing, 3 units

d. **Mathematics**

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

e. **Other Natural Sciences**

- NSCI 3000 Science for Self-Sufficiency, 3 units

f. **Physics and Physical Sciences**

- ASTR 3000 Contemporary Astronomy, 3 units  
 GEOL 3000 Physical and Environmental Geology, 4 units  
 GEOL 3500 Earthquakes and Volcanoes, 3 units  
 PHSC 3500 Solar and Other Alternative Energies, 3 units  
 PHYS 3520 Modern Physics and Quantum Mechanics, 3 units  
 PHYS 3800 Fundamentals of Nuclear Energy, 3 units

2. **Humanities**

a. **Art**

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

b. **Drama**

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

c. **English**

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

d. **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

e. **Music**

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

f. **Philosophy**

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

<sup>5</sup> Requirements may be satisfied partially by acceptable scores on the CLEP Social Sciences General Examination.

<sup>6</sup> Students age 25 years or older at entry to CSU Stanislaus will not be held for this requirement.

### 3. *Social, Economic, and Political Institutions and Human Behavior*

#### a. *Anthropology*

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

#### b. *Business Administration*

(Not for Business majors)

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

#### c. *Cognitive Studies*

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

#### d. *Communication Studies*

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

#### e. *Economics*

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

#### f. *Ethnic Studies*

- ETHS 4200 The Minority Experience, 3 units (G)

#### g. *Geography*

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

#### h. *History*

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

#### i. *Multidisciplinary*

- MDIS 4400 Politics of the Environment, 3 units

#### j. *Politics and Public Administration*

- PSCI 3055 Marx on the Human Condition, 3 units  
PSCI 3225 Civil Liberties, 4 units

#### k. *Psychology*

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

#### l. *Sociology*

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

#### m. *Women's Studies*

- WMST 3550 Society and Gender, 3 units

## G. Multicultural Requirement

(3 units minimum)

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

- ANTH 2060 Introduction to Cultural Anthropology, 3 units (D2)  
ANTH 3000 Anthropology and Modern Social Issues, 3 units (F3)  
ANTH 3900 Women: A Cross-Cultural View, 3 units  
ANTH 4165 The Family in Cross-Cultural Perspective, 3 units  
ANTH 4211 The World in Change, 3 units  
ART 2525 Art History Survey–Non-Western, 3 units (C1)  
COMM 4160 Intercultural Communication, 3 units  
DRAM 4550 American Theatre, 3 units (F2)  
ENGL 3940 Multicultural American Literature, 3 units (F2)  
ETHS 4200 The Minority Experience, 3 units (F3)  
ETHS 4350 Multiculturalism: From Bias to Reality, 3 units  
GEOG 2020 Introduction to Cultural Geography, 3 units (D2)  
GEOG 3010 Cultural Geography, 3 units  
GEOG 3580 Cultural Ecology of Southeast Asian Peoples, 4 units  
HIST 1010 World Civilizations I, 3 units (D2)  
HIST 1020 World Civilizations II, 3 units (D2)  
HIST 3090 Contemporary World History, 3 units (F3)  
HIST 3400 The Great Teachings, 3 units (F3)  
MDIS 3400 Latin-American Cultures, 3 units  
MUS 2000 Music of World Cultures, 3 units (C1)  
PSCI 2030 Global Politics, 3 units (D2)  
PSCI 3700 Ethnic and Gender Politics, 4 units  
SOCL 3250 Social Issues in Cross-Cultural Perspective, 3 units  
SOCL 4010 Race and Ethnic Relations, 3 units  
WMST 3700 Ethnic and Gender Politics, 4 units  
WMST 3900 Women: A Cross-Cultural View, 3 units  
WMST 4350 Multiculturalism: From Bias to Reality, 3 units  
WMST 4600 Philosophy and Feminism, 3 units

## 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.)

## 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) 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 take 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 WP courses and the semester the WP status took effect:

<u>Course</u>	<u>Title</u>	<u>Semester WP Status in Effect</u>
ANTH/WMST 3900	Women: A Cross-Cultural View	Fall 1992
ANTH 4221	Folk Literature and Arts	Fall 1993
ART 4570	Senior Seminar in Art History	Winter 1993
ART 4960	Senior Seminar	Winter 1993
BIOL 4010/4012	Research and Technical Writing in Biology	Fall 1994
CHEM 4420	Biochemistry II	Spring 1996
CJ 3170 (formerly 4930)	Criminal Justice Research Methods	Spring 1994
COMM 3140	Persuasive Messages	Fall 1992
CS 4100	Programming Languages	Fall 1993
DRAM 3520	The Modern Theatre	Fall 1999
ECON 4335	Political Economy	Fall 1997
ENGL 3007	Business and Technical Communication	Spring 1981
ENGL 3009	Applied Writing	Fall 1981
ENGL 3012	Applied Writing (Computer-Assisted Instruction)	Fall 1997
ENGL 3100	Literary Genres (formerly Critical Approaches to Literature)	Fall 1992
ENGL 4600	Tutorial Projects in English	Fall 1992
FREN 4810	Linguistics and Language Instruction	Spring 1993
GEOG 4710	Field Methods	Fall 1993
GEOL 4500/4502	Field Geology	Fall 1994
HIST 3000	Introductory Seminar in History	Fall 1992
HIST 4960	Directed Reading Seminar in History	Fall 1992
HIST 4990	Senior Thesis	Fall 1992
LIBS 3000	Community and Diversity	Fall 1995
MATH 4960	Senior Seminar in Mathematics	Fall 1995
MUS 3200	Music History and Literature III	Winter 1994
MUS 3370	Music in Secondary Schools	Spring 1994
NURS 4510	Communication in Nursing Practice (Formerly 3510)	Fall 1997
PHED 3700	Sport in Society	Fall 1993
PHIL 3400	Ethics	Fall 1992
PHIL 3500	Philosophy of Mind	Fall 1993
PHIL 4200	Advanced Study in the History of Philosophy	Fall 1992
PHIL 4450	Philosophy of Religion	Fall 1992
PHIL 4500	Philosophy of Art (formerly Aesthetics)	Fall 1992
PSCI 3010	Modern Political Thought	Spring 1993
PSCI 3304 (formerly 3300)	Introduction to Public Administration	Fall 1993
PSYC 4810	Social Psychology of Personal Relationships	Fall 1995
PSYC 4820	Group Dynamics: Theory and Application (formerly Group Dynamics and Interpersonal Behavior)	Fall 1995
SOCL 3030	Research Methods	Fall 1994
SPAN 4810	Linguistics and Language Instruction	Spring 1993

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

## Graduation Application

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

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

## Faculty Approval

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

## Graduation Honors

Graduation honors are awarded to students earning baccalaureate degrees at commencement on the basis of both their overall *and* CSU Stanislaus grade point averages achieved in their undergraduate work. **Projected or estimated grade averages for degree candidates are excluded from grade point average calculations.** 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.

To qualify for an additional baccalaureate degree at CSU Stanislaus, students must:

1. Complete a minimum of 30 semester units in residence at CSU Stanislaus after requirements for the last degree have been met. Specific requirements include completing:
  - a. at least 24 upper-division units, and
  - b. at least 12 units in the new major.
2. Comply with all CSU Stanislaus graduation requirements, including:
  - a. the General Education requirements of the student's current catalog year,
  - b. satisfaction of the graduation mathematics and writing competency requirements, and
  - c. other institutional and system requirements in effect at the time of acceptance for the second degree or at the date of completion.
3. Obtain approval of the major department chair.
4. Maintain at least a 2.0 (C) grade point average for all CSU Stanislaus residence course work taken while pursuing the additional degree.
5. Complete a major in a discipline other than that in which a previous degree was earned.
 

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

# Graduate Studies

Office: Library Building 151  
(209) 667-3129

Dean: Diana Mayer Demetrulias

Coordinator: Mary Coker

## Graduate Program Coordinators or Advisers:

Art - Printmaking (Certificate) .....	James Piskoti
Business Administration (MBA) .....	Randall B. Brown
Education (MA)	
School Administration .....	John A. Borba
School Counseling .....	Connie M. Kane
Special Education .....	Cathy L. Watkins
Physical Education .....	James Bowen
Curriculum & Instruction (C&I) .....	Fay Shin
Elementary Education .....	Armin R. Schulz
Multilingual Education .....	Joan E. Wink
Reading .....	Janet H. Towell
Secondary Education .....	Melissa M. Aronson
English (MA)	
Literature .....	Susan Marshall
Rhetoric and Teaching of Writing .....	Mark Thompson
TESOL .....	Stephen B. Stryker
History (MA) .....	Nancy J. Taniguchi
International Relations .....	Nancy J. Taniguchi
Secondary School Teachers .....	Nancy J. Taniguchi
Interdisciplinary Studies (MA/MS) .....	Diana Mayer Demetrulias
Marine Science (MS) .....	Pamela Roe
Psychology (MA/MS) .....	Gina M. Pallotta
Behavioral Analysis (MS) .....	Gina M. Pallotta
Counseling Psychology (MS) .....	Gina M. Pallotta
Public Administration (MPA) .....	April Hejka-Ekins
Social Work (MSW) .....	Ellen R. Dunbar



Karen Moody, English/Literature Major

*“Returning to school  
has added a whole new  
dimension to my life.”*

—Karen Moody, Graduate Student

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

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

## Graduate and Postbaccalaureate Application Procedures

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

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

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

An electronic version of the CSU graduate application is available on the Internet at <http://www.csumentor.edu/>.

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

### Transcripts

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

### Continuing Baccalaureate Students

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

## Graduate and Postbaccalaureate Admission Requirements

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

### General Requirements

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

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

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

## Admission of Non-Resident Postbaccalaureate Students

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

### TOEFL Requirement (Graduate)

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

## Master's Degree Program Requirements

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

The program for the master's degree is a coherent pattern of (1) courses specified for an approved field of concentration, and (2) additional courses selected to meet the student's particular needs. It consists of at least 30 units completed after the bachelor's degree and within seven years just preceding the granting of the master's degree. The Master of Arts degree must include a minimum of 30 units; the Master of Science, a minimum of 36 units. Only graduate courses (5000 series) and approved upper-division courses are acceptable to meet the unit requirement. Other courses are counted in calculating the student's study load, but cannot be counted toward the unit or grade point average requirements for the master's degree. The total program must include the following:

1. At least 21 units must be CSU Stanislaus residence credit.
2. Of the 30 units for the degree, not more than 9 units may consist of any combination of transfer credit. Credit by examination may be used to fulfill prerequisites, but may not apply toward the 30 units. Extension credit is not regularly used on master's degree programs; special cases recom-



mended by the department may be evaluated by the Dean of Graduate Studies. Transfer, extension, and correspondence credit may be used toward a master's degree only if the institution offering the work would use it on a comparable master's degree program, and if it is recommended by the department and judged by the Dean of Graduate Studies to be particularly relevant to the individual student's program.

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

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

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

### Graduate Writing Proficiency Requirement

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

### Foreign Language Requirement

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

### Grade Requirements

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

1. No course with a grade below C– may apply on a master's degree program.
2. To be eligible for advancement to candidacy, a student must have earned a 3.0 (grade of B) grade point average on all upper-division and graduate course work completed after the date of beginning the first course to be included in the master's degree program.
3. To be eligible for the granting of the degree, a student must have maintained a 3.0 grade point average or better in all courses taken to satisfy the requirements for the degree. Any grade earned in a course on the program continues to be computed in the overall grade-point average even if that course is later dropped from the program for any reason.

### Student Performance

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

### Graduate Probation and Disqualification

*Note: 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 noted above.*

Students admitted to "Postbaccalaureate Standing Unclassified" will be governed by the "Undergraduate Probation/Disqualification Policy." The following policies will govern candidates admitted to "Graduate Standing: Conditionally Classified," "Postbaccalaureate Standing: Classified," and "Graduate Standing: Classified."

#### Probation

1. A student who is enrolled in a graduate degree program in Conditionally Classified or Classified Standing shall be placed on academic probation if the student fails to maintain a cumulative grade-point average of at least 3.0 (grade of B) in all units applicable to the degree program.
2. A student who 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.
3. The department may place a student on probation for repeated failure to progress toward the degree objective.
4. Failure to comply, after due notice, with an academic requirement may result in the department placing the student on probation.
5. A student placed on probation shall be notified in writing and shall be provided with the conditions to be met for removal from probation as well as the circumstances which will lead to disqualification.

#### Disqualification

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

The disqualification decision for classified graduate students is the responsibility of the appropriate department. The disqualification decision for persons admitted to "Postbaccalaureate standing: Unclassified" status is the responsibility of the Dean of Graduate Studies, in consultation with the University Appeals Committee.

#### Administrative Academic Disqualification

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

## Appeal of Disqualification Status

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

## Degree Requirements

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

## Workshop, Institute, and Course Work Taken Through Extension

These units normally will not be accepted in a master's or credential program. A student who wishes to use such course work must seek prior approval from the major adviser and the Dean of Graduate Studies.

## Repeating Courses

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 overall grade point average but will not be included in computing the grade point average for the master's degree.

## Units Completed in Postbaccalaureate Standing: Unclassified

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

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

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

## Graduate Credit For Undergraduate Courses

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

## Examinations

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

## Qualifying Examinations

Among the qualifying examinations used by some departments are the General Test and the Subject Test of the Graduate Record Examinations, a nationally standardized group of examinations prepared and scored by the Educational Testing Service. Graduate Record Examinations are given throughout the year in various parts of the world. For scheduling of either the computer-based or paper-based test, call 1-800-GRE-CALL. Students taking the examination at any of the testing centers may request that their scores be sent to the University Testing Office. The University Testing Office administers the paper-based test on the University campus. Graduate admissions tests (GRE, GMAT, MAT, etc.) taken within five years of acceptance to graduate programs are considered as current. Information about dates, fees, and application procedures are available from the Testing Office or the Office of Graduate Studies.

## Final Examinations

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

## Validation of Outdated Course Work and Units

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

Credits earned at CSU Stanislaus more than seven years before completion of the degree may be used to meet degree requirements only under the following conditions: (a) the student must demonstrate a current proficiency in the subject matter of the course in an examination administered by the original instructor of record or, if unavailable, a qualified substitute appointed by the departmental Graduate Committee; (b) validation is available only on the approval of the department and final inclusion of validated course work in a degree program requires departmental recommendation, including appropriate documentation used to determine currency, and approval of the Dean of Graduate Studies. Validation of outdated course work and units may not result in more than one-third of the total units required for the degree and must have been approved within the academic year preceding completion of the degree.

## Thesis, Project, and Comprehensive Examination

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

1. A thesis is the written product of the systematic study of a significant problem. It clearly identifies the problem, states the major assumptions, explains the significance of the undertaking, sets forth the sources for and methods of gathering information, analyzes the data, and offers a conclusion or recommendation. The finished product must evidence originality, critical and independent thinking, appropriate organization and format, clarity of purpose, and accurate and thorough documentation. An oral defense or a presentation of the thesis is required.

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

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

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

Critical thinking 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. Thesis 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 Studies Office concerning these matters before beginning work on the thesis or project.

All theses and projects must be written using the format requirements listed in the University guidelines. These guidelines are available on reserve in the Library, at the MCRC, or on the Graduate Studies website at [www.csustan.edu/graduate\\_studies\\_Publications](http://www.csustan.edu/graduate_studies_Publications). Prior to binding you are encouraged to submit a final copy of your document to the Office of Graduate Studies for a review of format compliance.

1. Registration for thesis or project requires a prospectus approved by the student's thesis committee. Instructions for developing and gaining prospectus approval are available from the department. A student planning to register or reregister for thesis after a break of two semesters attendance must be readmitted to the University.
2. A student whose thesis or project is planned to extend over more than the term of first enrollment in 5990 or 5960 may only receive a Satisfactory Progress (SP) grade.
3. To maintain standing in a graduate program, students who have completed all registrations for their graduate course work, and who have registered for the maximum number of thesis or project semester units required by the program, are required to enroll for one unit of thesis or project through Extended Education. Graduate students must register in graduate thesis or project, MDIS 7000, for \$125 per semester until they have completed their thesis or project. This allows students full use of the library and limited student services

(excluding the use of the health center). Students must register for this unit during any semester or term in which they are working under direct faculty supervision.

4. Before a thesis or project is officially accepted by the Master's Committee, it must meet the above criteria on matters of format, documentation, and quality of writing.
5. No coauthored theses or projects are allowed. If two or more candidates are collaborating on research or a project, each must develop, write, and submit a separate and distinct thesis or project.
6. Student must bring two (2) acceptable copies of the bound thesis or project to the Office of Graduate Studies no later than the last day of the term in which the student plans to graduate. Binding expenses are the student's responsibility. The Enrollment Services Office will not record a grade other than "SP" until the Dean of Graduate Studies has given final approval for the thesis or project. Contact the Office of Graduate Studies for detailed information on thesis and project requirements.
7. Receipt of an approved thesis or project is the equivalent to publication and the thesis or project will be available to the public in the University library, including worldwide interlibrary loan.
8. A student may arrange to have the thesis or project published in microfilm form, with an abstract of the thesis published in the quarterly periodical, Masters Abstracts. The University encourages this form of publication. Further details of the microfilming and copyright procedure may be obtained from the University Librarian.

## Master's Degree Thesis or Project Committee

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

## Application for Graduation with a Master's Degree

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

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

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

## Honors at Graduation

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

## Second Master's Degree

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

## Second Concentration in a Master's Degree

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

## Readmission

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

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

## Professional Ethics

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

## Intellectual Honesty

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

## Research

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

# MA/MS Interdisciplinary Studies Program

**Office:** Library Building 151  
(209) 667-3129  
Office of Graduate Studies

**Director:** Diana Mayer Demetrulias  
Dean of Graduate Studies

**Coordinator:** Mary Coker

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

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

## Minimum Prerequisites for Program Admission

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

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

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

The GRE scores, the undergraduate and postbaccalaureate grade point average, and undergraduate preparation are used as indicators for success in the graduate program. While no minimum GRE score on the General Test is established for program admission, the verbal, quantitative, and analytical scores are considered as three separate measures.

## Application Deadlines

The request to pursue a MA/MS Interdisciplinary Studies degree program must be submitted by the published deadlines. The University Interdisciplinary Committee generally reviews proposals five times during the academic year. Application deadlines are published in program information and are available in the

*The MA/MS Interdisciplinary Studies program is designed for exceptional, individual cases only, and provides an opportunity to pursue learning outside the framework of existing graduate programs both at CSU Stanislaus and other institutions of higher education.*

Office of Graduate Studies.

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

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

### Program Requirements

- Program admission requirements must be met (completion of baccalaureate, GPA of 3.0, minimum of 18 upper division/graduate units in primary field, and submission GRE scores).
- The program must include a minimum of 30 semester units for the MA degree and 36 semester units for the MS degree.
- Only 4000 and 5000 level courses may be counted toward the required units.
- At least 15 units for the MA and 18 units for the MS must be earned in 5000 level courses.
- A minimum of 6 units for MA and 9 units for MS must be taken in one or more disciplines other than the primary field of concentration.
- A maximum of 9 units of independent study may be included in a student's program.
- A 4000/5000 level research methods course appropriate for the discipline(s) must be included in the program.
- The CSU graduate writing proficiency requirement must be met.
- Six (6) units of project or thesis must be included in the program. An oral defense is required.
- A maximum of 9 units of transfer credit may be included in the program. Extension, workshop, and institute credits are not acceptable.
- A maximum of 9 units completed prior to admission to the program may be included in the program.
- The CR/NC grading option is limited to field studies, practica, and internships and may not exceed 20 percent of the required course work.
- No grade below B may be applied to the degree.
- No course work taken more than 7 years prior to graduation may be applied to the program.

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

## Graduate Multidisciplinary

### Course Descriptions:

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

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

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

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

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

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

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

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

# Course Numbering System

## Course Level Identification

- 0001–0999 ..... Prebaccalaureate (does not carry unit credit toward the 124 units required for a Bachelor's degree)
- 1000–2999 ..... Lower-division courses designed primarily for freshmen and sophomores
- 3000–4999 ..... Upper-division courses designed primarily for juniors and seniors, and certain selected courses for graduate students. These courses should be taken by freshmen and sophomores only under unusual circumstances approved by both the instructor and major adviser.
- 5000–5999 ..... Graduate Courses for degrees. These courses are open only to qualified graduate students. (Last semester seniors within 9 semester units of graduation may enroll for postbaccalaureate credit after obtaining written approval.)
- 6000–6999 ..... Professional postbaccalaureate courses. These courses do not substitute for course credit in a credential sequence and will not be applied toward General Education, major, minor, or elective requirements for the bachelor's degree.
- 7000–7999 ..... Noncredit courses. Not applicable to baccalaureate or advanced degrees, or to a credential program.
- 8000–8999 ..... Extended Education Certificate program courses and those yielding continuing education units (CEUs). Not applicable to baccalaureate or advanced degrees, or to a credential program.

*Note: Only courses numbered 1000-4999 for undergraduate students carry unit credit toward the 124 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

*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 1999-2001. Please check the *Schedule of Classes* and with department offices for further information about course availability.

# College of Arts, Letters, and Sciences

Office: Library Building 105  
(209) 667-3531

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FAX: (209) 664-7113

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

Dean: Mary Cullinan

Associate  
Dean: James M. Klein

*"ALS encompasses over 30 departments and programs in the Arts, Humanities, Sciences, and Social Sciences. Our faculty are committed to ensuring that students graduate with skills and a knowledge base that will serve them well throughout their lives."*

—Dr. Mary Cullinan, Dean  
and Professor of English

## Mission of 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 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.

## Department Chairs:

Anthropology/Geography ..... Ida I. Bowers  
Art ..... Richard Savini  
Biological Sciences ..... Daniel F. Williams  
Chemistry ..... Hobart Hamilton  
Communication Studies ..... John Sumser  
Computer Science ..... Thomas J. Carter  
Drama ..... Jere D. Wade  
Economics ..... Edward C. Erickson  
English ..... Susan Marshall  
Ethnic/Women's Studies ..... Richard L. Luevano  
History ..... Austin Ahanotu  
Liberal Studies ..... Peter Finley  
Mathematics ..... Judith L. Clarke  
Modern Languages .. Enrique López-Contreras  
Music ..... Edward C. Harris  
Nursing ..... June L. Boffman  
Philosophy ..... James A. Tuedio  
Physics/Physical  
Sciences/ Geology ..... Marvin Johnson  
Politics/Public  
Administration ..... Judith J. Hendricks  
Psychology ..... Bruce Hesse  
Social Work ..... Ellen Dunbar  
Sociology/Criminal Justice .... George Muedeking

## Programs and Directors or Coordinators:

Applied Studies ..... Louis A. Feldman  
Bilingual/Cross-Cultural ..... Leodoro Hernandez  
Child Development ..... Victoria L. Cortez  
Cognitive Studies ..... Lin S. Myers  
Criminal Justice ..... Chau-Pu Chiang  
Environmental and  
Resource Studies ..... Ida Bowers  
Environmental Sciences ..... Walter Tordoff III  
Ethnic Studies ..... Richard L. Luevano  
Exceptional Children  
and Youth ..... Cathy L. Watkins  
Geology ..... Mario J. Giaramita  
Geography ..... Leon S. Pitman  
Gerontology ..... Walter E. Doraz  
Honors ..... Mary Cullinan  
International Studies ..... Steven W. Hughes  
Interpersonal Studies ..... Fred P. Hilpert and  
Sheryl Lindsley  
Joint Engineering Program ..... Marvin Johnson  
Journalism ..... John R. Sumser  
Latin American Studies ..... Julia Cruz  
Marine Sciences ..... Pamela Roe  
Multidisciplinary Studies ..... Mary Cullinan  
Sciences ..... Leon S. Pitman  
Social Work ..... Ellen Dunbar  
Special Major/  
Undergraduate ..... Vacant  
Urban and Community  
Studies ..... Michael J. Schmandt  
Women's Studies ..... Renny T. Christopher



# Anthropology

**Office:** Classroom Building 215  
(209) 667-3127

**Chair:** Ida I. Bowers

**Faculty:** Kofi Akwabi-Ameyaw, Thomas E. Durbin,  
Susan Middleton-Keirn,  
Sari Miller-Antonio, Lewis K. Napton

The Department of Anthropology/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/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/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 and awareness of cultural heritages. 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 adviser; 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.



Rhiannon Judd, Senior, Anthropology Major

*“One of the great aspects of anthropology is that it attracts people with a wide variety of interests. This major has given me the opportunity to be surrounded by unique and fascinating people.”*

—Rhiannon Judd, Student

### 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, trusteeship-territories

#### Museums:

Private and public  
**Teaching:** College and university, secondary-social studies

## 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/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

### Requirements (20 units)

Complete the required 20-unit concentration from one of the three following anthropology sub-areas, as outlined below:

#### 1. **Ethnology (20 units)**

*Note: This concentration is recommended for students preparing for a teaching career.*

- a. ANTH 2060 Introduction to Cultural Anthropology, 3 units.
  - b. *Ethnography* and/or *Ethnology*, 17 units
2. **Archaeology (20 units)**
    - a. ANTH 2090 Introduction to Archaeology, 3 units
    - b. *Prehistoric Archaeology*, 17 units
  3. **Physical Anthropology (20 units)**
    - a. ANTH 2080 Introduction to Physical Anthropology, 3 units
    - b. *Physical Anthropology*, 17 units

## Teaching Credentials

Anthropology majors interested in a Social Sciences waiver for a single subject credential should review the waiver requirements described in the "Social Sciences" section of this catalog. Please refer to the "School 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 Modern Social Issues, 3 units
- ANTH 3010 The Great Discoveries, 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 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

#### Ethnology

- ANTH 3900 Women: A Cross-Cultural View, 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 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 Medical Anthropology, 3 units
- ANTH 4211 The World in Change, 3 units
- ANTH 4221 Folk Literature and Arts, 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 4420 Bodies of Evidence, 3 units  
 ANTH 4700-4799 Studies in Physical Anthropology,  
 1-4 units

**Linguistics**

- ANTH 3800 Introduction to Linguistics, 3 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) (Spring)

**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) (Fall, 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 Modern Social 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. Issues treated include the Third World, race and racism, 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 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) This course examines the cultural diversity of Asian countries: China, Japan, Korea, the Philippines, 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. This course 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 Nahuatl (Aztec), Zapotec, Maya, Quechua (Inca), and other groups. Emphasis is placed on the varied effects of Western European culture on the peoples studied as well as their traditional customs and cultures. Prerequisite: ANTH 2060 recommended.

**ANTH 3400–3499 Modern Ethnographic Studies (1–4 units).**

Studies in the ethnography of various areas of the contemporary world. Course content may vary from term to term. Prerequisite: ANTH 2060 or Junior standing.

**ANTH 3500–3599 Studies in World Prehistory (1–4 units).**

Studies of various prehistoric archaeology cultures. Course content may vary from term to term. Prerequisite: ANTH 2090 or Junior standing.

**ANTH 3600 Method and Theory in Archaeology (3 units).**

Study of current methods in archaeology, emphasis on applied and theoretical procedures in data sampling, collection, and evaluation; survey of method and theory in excavation of archaeological sites; integration, analysis, and interpretation of archaeological phenomena. Prerequisite: ANTH 2090 or Junior standing. (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. (Spring)

**ANTH 3760 Primates Past and Present (3 units).**

Introduction to and description of modern 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 Women: A Cross-Cultural View (WP) (3 units).**

(Same as WMST 3900) Comparative study of traditional and changing roles of women in a wide range of contemporary cultures. Satisfies upper division writing proficiency requirement. Satisfies G.E. area G. Prerequisite: 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 uncentralized (band, tribe, village, etc.) and centralized (chiefdom and state) political systems. Emphasis is placed upon the relationships between these various levels of political organization among contemporary peoples and on changes resulting from the incorporation of small scale societies into nation-states. Prerequisite: ANTH 2060 recommended or consent of instructor.

**ANTH 4200 Applied Anthropology and Social Change (4 units).**

Study of changes resulting from contact between small-scale and industrialized societies. Consideration will be given to processes of social change and organized attempts to introduce change. Prerequisite: ANTH 2060 recommended or consent of instructor.

**ANTH 4210 Ethnomedical Anthropology (3 units).**

Designed to provide an introductory overview of this new field within the discipline of anthropology, the course will trace the origins and scope of medical anthropology. Emphasis will be placed on both western and non-western cultures in order to examine the relationship between culture, health, and disease including the analysis of health care delivery systems and the roles of medical anthropologists within them. Prerequisite: ANTH 2060 or consent of instructor.

**ANTH 4211 The World in Change (3 units).**

A study of past and contemporary global issues with emphasis on the so-called modernization process especially technological and agricultural development, industrialization and urbanization population, environment, and security issues affecting the 5000 known cultural groups. Satisfies G.E. area G. Prerequisite: ANTH 2060 recommended or consent of instructor.

**ANTH 4221 Folk Literature and Arts (WP) (3 units).**

A survey of folk literature (oral traditions, mythology, legends, folk tales, etc.) and the traditional arts and material culture (art, symbols, cottage industries, etc.) of small-scale (tribal and folk or peasant) societies. Satisfies upper division writing proficiency requirement. Prerequisite: ANTH 2060 recommended 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 4420 Bodies of Evidence (3 units).**

Explores the various ways physical anthropologists use skeletal remains to reconstruct human behavior and life history. Topics include fundamentals of human osteology, techniques of forensic anthropology, the origins and interpretations of burial, mummification, and paleopathology. 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 4700-4799 Studies in Physical Anthropology (1-4 units).**

Studies of various aspects of physical anthropology, such as human and nonhuman primate behavior, evolution and/or anatomy. Course content may vary from term to term. Courses offered on demand. Prerequisites: ANTH 2080 and consent of instructor.

**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).**

This course is 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. 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 5850 Seminar in Graduate Research (2 units).***

The course 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 (1-5units).***

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

Office: Demergasso-Bava Hall 262  
(209) 667-3461

Coordinator: Louis A. Feldman

Faculty: The Applied Studies faculty is drawn from various departments including Accounting, Communication Studies, Computer Information Systems, Economics, English, Mathematics, Management, Operations Management, Philosophy, Political Science, Psychology, and Sociology.

*Applied Studies is preparation for leadership.*



## CAREER OPPORTUNITIES

*Business enterprise, 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 and technical 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, Master of Business Administration, 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 degree or certificate with a grade point average of 3.0 or better or other evidence of comparable proficiency in this technical 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 for approved, otherwise nontransferable course work applicable to a technical degree or certificate.

## The Major (27 units minimum)

1. Advanced Communication, the following courses, 6 units:
  - COMM 3120 Management Communication, 3 units
  - ENGL 3007 Business and Technical Communication, 3 units
2. Administration, the following courses, 7 units:
  - MGT 3310 Management Theory and Practice, 3 units
  - PSCI 3304 Introduction to Public Administration, 4 units
3. Modern Organization, two or three of the following courses, 6-10 units:
  - 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, 3-6 units:
  - ECON 4540 Public Finance and Fiscal Policy, 3 units
  - PSCI 4315 Public Policy Making, 3 units
5. Group Dynamics, elective courses, 0-4 units:
  - COMM 4100 Group Communication, 3 units
  - PSYC 4821 Group Dynamics Workshop, 1 unit
  - SOCL 4020 Sociology of Small Group Dynamics, 3 units
6. Leadership, one or two of the following courses, 3-6 units:
  - COGS 3200 Human Factors, 3 units
  - MGT 4340 Executive Leadership, 3 units
  - MGT 4610 Seminar in Human Resource Management, 3 units
  - OM 4570 Quality Management, 3 units
7. General Graduate Record Examination (GRE):
 

This examination must be taken within the six month period before the anticipated date of graduation. The Graduate Record Examination scores of students in the Applied Studies degree program are used for program review purposes only. A low GRE score will not prevent a student from graduating. However, a good score could be an asset to the student in future endeavors.

# Art



Kimberly Kilbourn Pedro, Art Major Alumna

Brainworks photo

*“The CSU Stanislaus Art Department faculty and students aspire to the creation of art. Surely, nothing can be more profound, engaging, meaningful, and at the same time simple as this.”*

—David Olivant, Assistant Professor

## 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; animation and effects in film and animation; stage design.*

**Office:** Art Building 38, (209) 667-3431

**Fax:** (209) 667-3871

**Chair:** Richard Savini

**Faculty:** John A. Barnett, Martin L. Camarata,  
David Olivant, James Piskoti,  
C. Roxanne Robbin, Richard Savini,  
Hope B. Werness

**Emeritus Faculty:** Winston E. McGee, Ralf Parton

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 approved by the Chancellor of The California State University. Following an accreditation review, a BFA program is planned for implementation by Spring 2000. Students interested in the BFA degree are requested to contact the Department of Art.

Students may elect one of the following as part of their degree objective: major in studio Art; minor in studio Art; emphasis in Art History; minor in modern Art History. Upon completion of core upper-division courses, students may elect a concentration in painting, printmaking, or sculpture. The department offers a postbaccalaureate program in printmaking (see Certificate in Printmaking).

The program is designed to give art students a rich, well-balanced studio and art history background. The art curriculum prepares students for additional academic programs such as graduate school and teaching credential certification. Additionally, the department serves Liberal Studies students and offers a variety of general education experiences designed to foster creative and intellectual growth.

## Mission

The mission of the Department of Art of CSU Stanislaus is to offer a Bachelor of Arts degree program of unusual stature in which students and faculty collaborate in the informed production and awareness of visual art.

The Department of Art, in all its areas of specialization, will maintain its primary educational objectives for students to receive a rigorous, in-depth, and individual foundation in the principles of visual and intuitive understanding, communication, and expression.

Honoring the liberal arts structure of this university, the Department of Art meets a high educational standard by providing a Fine Arts curriculum, facilities, faculty, and staff with an atelier atmosphere where art students and general education students are educated through direct interaction with eminent and active artists and scholars. In combination with academic studies the Department of Art will provide an optimal blend instilling a broad awareness of cultural expression in concert with professional experience, training, and preparation.



## Bachelor of Arts, Art

Concentrations in Studio Art include:

- Painting
- Printmaking
- Sculpture

The curriculum of our program's studio art and art history courses provides students with the technical, conceptual, and expressive competencies, which form a strong basis for individual exploration in the visual arts.

### Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to upper-division course work (18 units):  
ART 1010 Drawing I: Direct Observation, 3 units  
ART 1020 Drawing II: Composition, 3 units  
ART 1100 Elements of Design and Color, 3 units  
ART 1200 Three-Dimensional Design, 3 units  
ART 2515 Art History Survey-Ancient, 3 units  
ART 2520 Art History Survey-Modern, 3 units
3. Complete no less than 36 upper-division units (including 9 units of studio electives).
4. Participate in an exhibition of graduating seniors.

### The Major (36 units)

1. Complete upper-division course work in the five areas outlined below for a total of 36 units:
  - a. **Drawing (3 units)**  
ART 3010 Drawing the Human Figure, 3 units  
ART 3020 Drawing: Original Form, 3 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
  - c. **Painting (6 units)**  
ART 3200 Painting: Color and Form, 3 units  
ART 3210 Painting: Material, Process, and Form, 3 units  
ART 3220 Painting: Original Form, 3 units
  - d. **Sculpture (6 units)**  
ART 3301 Figure Sculpture, 3 units  
ART 3311 Multi-Media: Assemblages and Construction, 3 units  
ART 3321 Carving, 3 units  
ART 3330 Foundry, 3–4 units
2. Complete the following required courses (6 units):  
ART 4545 Modern Art, 1870-1945, 3 units  
ART 4550 Art Since 1945, 3 units
3. Select nine additional upper-division studio units in consultation with the student's adviser.

## Studio Art Concentration

Students may choose an area of studio concentration in Painting, Printmaking, or Sculpture. Students completing a concentration will have the area of concentration noted on their permanent academic records.

*Note: The Department of Art strongly recommends a concentration for art studio majors who plan to attend graduate school (MA/MFA).*

### Requirements (19 units)

1. Complete nineteen upper-division units in one of the areas below in consultation with a faculty adviser.
  - a. **Painting**  
In addition to the requirements in the major, complete all 3000 level painting courses and then the following:  
10 additional units in upper-division studio painting  
3 additional units in upper-division studio drawing  
3 units in upper-division studio elective in a related area  
3 units in upper-division art history
  - b. **Printmaking**  
In addition to the requirements in the major, complete all 3000 level printmaking courses and then the following:  
10 additional units in upper-division studio printmaking  
3 additional units in upper-division studio drawing  
3 units in upper-division studio elective in a related area  
3 units in upper-division art history
  - c. **Sculpture**  
In addition to the requirements in the major, complete all 3000 level sculpture courses and then the following:  
10 additional units in upper-division studio sculpture  
3 additional units in upper-division studio drawing  
3 units in upper-division studio elective in a related area  
3 units in upper-division art history

## Minor in Art

### Requirements (27 units)

1. Complete prerequisites to the major as listed above in subsection two of the "Requirements" section, Bachelor of Arts, Art (18 units).
2. Choose one course from each of the following areas:
  - a. **Printmaking**  
ART 3100 Relief Printmaking, 3 units  
ART 3110 Intaglio, 3 units  
ART 3120 Lithography, 4 units  
ART 3130 Serigraphy, 4 units
  - b. **Painting**  
ART 3200 Painting: Color and Form, 3 units  
ART 3210 Painting: Material, Process, and Form, 3 units  
ART 3220 Painting: Original Form, 3 units
  - c. **Sculpture**  
ART 3301 Figure Sculpture, 3 units  
ART 3311 Multi-Media: Assemblages and Construction, 3 units  
ART 3321 Carving, 3 units  
ART 3331 Foundry, 4 units

## 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 Elements of Design and Color, 3 units  
ART 1200 Three-Dimensional Design, 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, 3 units  
ART 4530 Northern Renaissance Art, 3 units  
ART 4535 Art of the Baroque Age, 3 units  
ART 4560 Pre-Columbian 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 1945, 3 units  
ART 4555 American Art, 3 units
3. Select one of the following courses (3 units):  
ART 4580 Museum and Gallery Management, 1-3 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, 3 units

## Minor in Art History

#### Requirements (18 units)

1. Complete a minimum of six units from the following lower-division courses:  
ART 2515 Art History Survey-Ancient, 3 units  
ART 2520 Art History Survey-Modern, 3 units  
ART 2525 Art History Survey-Non-Western, 3 units
2. Select 12 units of upper-division course work in consultation with the minor adviser.

## Liberal Studies Concentration in Art

#### Requirements (21 units)

1. Complete the following lower-division courses (6 units):  
ART 1010 Drawing I: Direct Observation, 3 units  
ART 1020 Drawing II: Composition, 3 units
2. Select 15 units of upper-division art electives.

*Note: The Department of Art will waive upper-division prerequisites for the Liberal Studies degree student.*

## Teaching Credentials

An Art waiver is available to Art majors interested in a single subject credential. Students should contact the Art Department for requirements. Additionally, students should refer to the "School of Education, Teacher Education" section of this catalog for other single subject credential requirements. Students must plan their program carefully with their adviser to complete the waiver at the time of graduation.

## 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

1. Bachelor of Arts degree with a major in art.
2. Minimum of two courses in printmaking at the undergraduate level.
3. Portfolio evaluation by printmaking faculty.
4. Interest in the field and seriousness of endeavor.

### Requirements for the Certificate

1. Complete a minimum of 14 units of studio electives in printmaking.
2. Submit a portfolio of prints to a faculty committee who will evaluate the work.
3. 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.

## 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)

#### **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.

#### **ART 1100 Elements of Design and Color (3 units).**

(Formerly *Two-Dimensional Design*) Elements of visual form and structure are explored in studio work as a basis for developing a practical and theoretical experience of the vocabularies and grammars in visual art. Satisfies G.E. area C1. (CAN ART 14) (Fall)

#### **ART 1200 Three-Dimensional Design (3 units).**

Introduction to the elements of sculptural form. Projects engage the student in composing in space with a variety of materials, processes, class reviews, and criticism. Satisfies G.E. area C1. (CAN ART 16) (Fall)

#### **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 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)

#### **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)

#### **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 3010 Drawing the Human Figure (3 units).**

(Formerly *Drawing III*) A study focused entirely on the mastery of traditional and modern methods of drawing from the nude and how it is uniquely employed as subject matter and as a compositional element in visual art. Prerequisite: ART 1020.

#### **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 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: Color and Form (3 units).**

Studio work aimed at developing a clear working understanding of color, primarily as it is experienced in direct observation, and as a focus in the creation of artistic form. Prerequisite: ART 1000 or 1010.

**ART 3210 Painting: Material, Process, and Form (3units).**

(Formerly *Painting: Composition and Form*) Studio work in multimedia, aimed at an understanding of artistic form and meaning that is guided by imagination, and based mainly on the physical properties of both traditional and non-traditional 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 3232 Painting the Human Form (4 units).**

Study of the human form from direct observation of the studio model and in terms of the convergence of appearances and pictorial form. Prerequisites: ART 3200.

**ART 3301 Figure Sculpture (3 units).**

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 3311 Multimedia: Assemblages and Construction (3 units).**

(Formerly *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 3321 Carving (3 units).**

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

**ART 3330 Foundry (4 units).**

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 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 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. This course will examine 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)**

This course 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. Course will give 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. To include lectures, discussions, and studio projects. Designed specifically for future teachers. (LIBS Integrative: Artistic Inquiry)

**ART 4020 Advanced Drawing (4 units).**

Advanced problems and techniques in drawing. Emphasis placed on a professional attitude within a seminar framework. Prerequisite: ART 3020.

**ART 4100 Advanced Printmaking (4 units).**

Advanced projects in printmaking with emphasis on the development of personal imagery and the mastery of technique. Individual projects via consultation with instructor. Prerequisites: Two courses from ART 3100, 3110, 3120, or 3130.

**ART 4200 Advanced Painting (4 units).**

Advanced problems and techniques in painting. Emphasis on personal concepts, individual development, and a professional attitude within a seminar framework. May be repeated for credit. Prerequisites: ART 3200, 3210, 3220.

**ART 4220 Imagination (3 units).**

Imagination and its function in intuition and experience. Studio problems emanating from a search for the ecstatic and the pertinent, through variety and unity and chaos and order. Prerequisites: ART 3200 and 3210.

**ART 4250 Abstract Painting and Composition (4units).**

Study and development of color, composition and methods of paint application in abstract forms of painting. Explore contemporary techniques with emphasis on major artists' styles and influence. Prerequisites: ART 3200 and 3210.

**ART 4300 Advanced Sculpture (4 units).**

Advanced assignments and critical analysis emphasizing independent production and a sound creative identity. Emphasis will be placed on a professional attitude within a seminar framework. Prerequisites: Two upper-division sculpture courses.

**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 (3 units).**

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

**ART 4575 Slide Library Management (1-3 units).**

This course will provide 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 (1-3units).**

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 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.

**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) (3 units).**

Study of issues confronting the contemporary American artist through an examination of art criticism and theory. Also provides some preparation for professional artistic careers such as writing resumes and artistic statements, portfolio, and slide preparation. Satisfies upper division writing proficiency requirement and as such involves essay assignments. Prerequisite: Senior standing.

**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 (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

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Roe, Walter Tordoff III, Flora M. C. Watson,  
Daniel F. Williams, Steven J. Wolf, Janey  
Youngblom

**Emeritus  
Faculty:** Steve J. Grillos, James C. Hanson



Gregory M. Helbig, Biological Sciences Major

## 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, medicine, medical technology, optometry, pharmacy, 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

*“Biology is a good field to learn the science of our genetics, physiology, and anatomy. You can analyze your cheek cell DNA, study a live beating frog’s heart, and do other fascinating experiments.”*

—Gregory M. Helbig, Graduate Student

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, 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 which 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 (20 units for the Bachelor of Arts degree; 28-31 units for the Bachelor of Science degree):
    - i. CHEM 1100, 1110 Principles of Chemistry I, II, 10 units
    - ii. CHEM 3010, 3012 Organic Chemistry, Lab, 4 units
    - iii. **Bachelor of Arts Students** (6 units):
      - Elective courses in Chemistry, Computer Science, Geology, Mathematics, Physics or Physical Sciences, 6 units
    - iv. **Bachelor of Science Students** (14-16 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.)
      - Elective course in Chemistry, Computer Science, Geology, Mathematics, Physics, or Physical Sciences (determined by professional goals of student), 3-4 units
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 major. 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 (33–37 units)

1. Complete BIOL 3310, Cellular and Molecular Biology, 3 units
2. Complete a broad basic program taking units from each category as listed below (30 or 34 units):
  - a. **Genetics (4 units)**
    - i. BIOL 3350 Introductory Genetics, 3 units
    - ii. Select one course from the following:  
BIOL 4820, 4830, 4840, 2 units, BIOL 4842, 1 unit, or BIOL 4850, 4 units
  - b. **Animal and Plant Sciences (8 units)\***
    - i. Select one course from *Entomology* or *Zoology*.
    - ii. Select one course from *Botany* or *Microbiology*.
    - iii. 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.)
  - c. **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

\* 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 electives (Area 3) may then be at the lower-division level.



- d. 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
- 3.** 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 3 units of BIOL 4850 may be used, *but no more than 3 units total*). Any other extra units earned in areas 1 and 2 may be applied to electives in the major.
- 4.** Completion of a concentration is optional.
- 5. Marine Biology**  
 ZOOL 4420 Invertebrate Zoology I, 4 units (or MSCI 3240)  
 ZOOL 4430 Invertebrate Zoology II, 4 units (or MSCI 3250)  
 BIOL 4630 Marine Biology, 4 units (or MSCI 3030)  
 BOTY 3100 Survey of Nonvascular Plants, 4 units (or MSCI 3310)  
 One term of residence at Moss Landing Marine Laboratories or another marine station.
- 6. 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:  
 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 3330 Medical Entomology, 3 units  
 ZOOL 4440 General Parasitology, 4 units

## Elective Concentrations in the Major

### Requirements (16 units minimum)

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 3100 Survey of Nonvascular Plants, 4 units  
 BOTY 3120 Morphology of Vascular Plants, 4 units  
 BOTY 4200 Plant Physiology, 4 units

#### 2. Entomology

ENTO 3000 Principles of Entomology, 4 units  
 ENTO 3330 Medical Entomology, 3 units  
 ENTO 3740 Insect Classification, 4 units

#### 3. 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.

#### 4. 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 4842 Recombinant DNA Laboratory, 1 unit, *or*  
 BIOL 4850 DNA Technology in Forensic Science, 4 units  
 Note: BIOL 4850 - only one unit may count toward the concentration.
- c.** Complete one of the following courses and corresponding lab:  
 CHEM 4400 and 4402 Biochemistry, 4 units, *or*  
 MBIO 3010 and 3032 Bacteriology, 5 units
- d.** Complete two additional advanced genetic courses selected from:  
 BIOL 4820 Cytogenetics, 2 units, *or*  
 BIOL 4830 Evolution and Population Genetics, 2 units, *or*  
 BIOL 4840 Molecular Genetics, 2 units, *or*  
 BIOL 4860 Cell Culture and Advanced Biotechnology, 2 units
- e.** If necessary, complete an additional course, with consent of adviser, to bring total units to a minimum of 16 upper-division units.

#### 7. Zoology

Select at least one course from each of the following groups:

- a.** ZOOL 3610 General Vertebrate Zoology, 4 units  
 ZOOL 4620 Herpetology, 4 units  
 ZOOL 4630 Ornithology, 4 units  
 ZOOL 4640 Mammalogy, 4 units
- b.** ZOOL 4420 Invertebrate Zoology I, 4 units  
 ZOOL 4430 Invertebrate Zoology II, 4 units  
 ENTO 3000 Principles of Entomology, 4 units  
 ENTO 3740 Insect Classification, 4 units
- c.** ZOOL 4230 Animal Physiology, 4 units  
 ZOOL 4280 Physiology of Human Systems, 4 units

## 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 should also 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, these would include:

- BIOL 4310 Histological and Cytological Techniques, 4 units  
 BIOL 4842 Recombinant DNA Laboratory, 1 unit  
 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

## Minor in Biological Sciences

### Requirements (20 units)

1. Complete the following lower-division courses (8 units):  
BOTY 1050 Introduction to Botany, 4 units  
ZOOL 1050 Introduction to Zoology, 4 units (equivalent courses may be substituted with approval of minor adviser)
2. Complete a minimum of 12 units of upper-division course work, as approved by minor adviser.

## Liberal Studies Concentration in Biological Sciences

### Requirements (22 units)

1. Complete the following lower-division courses (6 units):
  - a. BOTY 1050 Introduction to Botany, 4 units, **or** ZOOL 1050 Introduction to Zoology, 4 units. (Either BOTY 1050 or ZOOL 1050 will satisfy the BIOL 1010, 1020 requirement in the Liberal Studies program.)
  - b. BIOL 2310 Human Genetics, 3 units, **or** BIOL 2650 Environmental Biology, 3 units.
2. Select one upper-division course dealing with the diversity of biological organisms, 4 units (to be selected from either Botany, Entomology, Microbiology, or Zoology. Acceptable courses are indicated by an asterisk in the course description section of the catalog.)
3. Select 11 upper-division units of biological sciences electives. (Students are encouraged to select courses which provide breadth in biology.)

## Teaching Credentials

Majors in Biological Sciences interested in multiple subject or single subject credentials are referred to the "School 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 an emphasis in biology should carefully plan their academic program with the assistance of a faculty adviser in the biological sciences.

## 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 Biology. 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 World of Biology Laboratory (Topics to be specified in Class Schedule) (1 unit).**

(Formerly *Special Laboratory Studies*) 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) (Winter)

**BIOL 3300 Conservation Biology (3 units).**

Current issues in conservation biology, including conservation methods and factors leading to loss of biodiversity. Prerequisites: ZOOL 1050 and BOTY 1050 or consent of instructor. (Lecture, 3 hours)

**BIOL 3310 Cellular and Molecular Biology (3 units).**

Basic concepts of cellular phenomena dealt with at the molecular level of organization. Prerequisites: BOTY 1050, ZOOL 1050, CHEM 1100, 1110, or equivalent. (Lecture, 3 hours) (Fall, Spring)

**BIOL 3350 Introductory Genetics (3 units).**

Introduction to classical, molecular, and population genetics. Modern applications including genetic engineering and biotechnology will be discussed. Prerequisites: BOTY 1050, ZOOL 1050, CHEM 1100, 1110, or equivalent. (Lecture, 3 hours) (Fall, Spring)

**BIOL 4000 Biogeography (3 units).**

The relation between geological history, environment, and the distribution and abundance of living organisms. Includes topics on island biogeography, speciation, extinction, and dispersal. Prerequisites: ZOOL 1050 and BOTY 1050 or consent of instructor. (Lecture, 3 hours)

**BIOL 4010 Research and Technical Writing in Biology (WP) (3 units).**

Introduction to bibliographic research, design/interpretation of experiments, statistical testing of results, and preparation of technical reports in biology. Satisfies upper division writing proficiency requirement. Corequisite: BIOL 4012. Prerequisites: BOTY 1050, ZOOL 1050, Junior standing or consent of instructor, and completion of G.E. area A2 requirements (written communication). (Lecture, 2 hours; laboratory, 3 hours)

**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 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 4610 Elements of Environmental Science (3units).**

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 GE 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, ZOOL 1050 or equivalent, and one semester invertebrate zoology, or BOTY 3100, or consent of instructor. (Lecture, 3 hours; laboratory, 3 hours; field trips) (Spring)

**BIOL 4650 Aquatic Biology (4 units).**

The biota of fresh water with emphasis on the ecology, identification, physiology, and behavior of aquatic organisms. Satisfies the ecology elective for the major. Corequisite: BIOL 4652. Prerequisites: BOTY 1050, ZOOL 1050, and CHEM 1100, 1110, or equivalent. (Lecture, 3 hours; laboratory, 3 hours; field trips) (Spring)

**BIOL 4680 Ecology (4 units).**

Basic interrelationships of plants and animals within their physical environments. Satisfies the ecology elective for the major. Corequisite: BIOL 4682. Prerequisites: BOTY 1050, ZOOL 1050, and statistics or calculus. (Lecture, 3 hours; laboratory, 3 hours; field trips) (Fall)

**BIOL 4820 Cytogenetics (2 units).**

Chromosome structure and behavior, structural changes in chromosomes, euploidy, and aneuploidy as related to genetic and heritable abnormalities. Prerequisite: BIOL 3350. (\*\*)(Lecture, 2 hours)

**BIOL 4830 Evolution and Population Genetics (2units).**

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 Molecular Genetics (2 units).**

This course focuses on the use of recombinant DNA techniques and how they are utilized to analyze DNA; how genes are organized and regulated. Prerequisites: BIOL 3310 and 3350. (Lecture, 2 hours) (Spring)

**BIOL 4842 Recombinant DNA Laboratory (1 unit).**

Isolation, analysis, and manipulation of DNA, emphasizing the techniques fundamental to genetic engineering. Prerequisites: BIOL 3350 and consent of instructor. (Laboratory, 3 hours) (Winter)

**BIOL 4850 DNA Technology in Forensic Science (4units).**

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 1010 or 2310, and CHEM 1100, 1102, 1104, or consent of instructor. (Lecture, 3 hours; laboratory, 3 hours)

**BIOL 4860 Cell Culture and Advanced Biotechnology (2 units).**

Introduction to animal and plant 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 and product development. Prerequisites: A grade of C or better in BIOL 3350 or BIOL 3310; a grade of C or better in CHEM 1100 and 1110, or equivalent; and consent of instructor. (Laboratory, 6 hours) (Spring)

**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.

**BIOL 4960 Biology Colloquium (1 unit).**

Presentation and discussion of selected biological phenomena through the study of biological literature and research. Topics will include both basic and applied research. May be repeated for a total of 6 units, 2 of which can be applied to the major. (Spring)

**BIOL 4980 Individual Study (1–4 units).**

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor. (Fall, Spring)

**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 Man (2 units).**

The use of plants in agriculture and the role of humans in their domestication. New approaches to food and energy production are examined in the context of impending natural resource limitations. Prerequisite: BOTY 1050 or equivalent. (Lecture, 2 hours) (\*\*)

**\*BOTY 3100 Survey of Nonvascular Plants (4 units).**

Natural history and taxonomy of the algae, fungi, lichens, mosses, and liverworts. Satisfies the departmental diversity requirement. Corequisite: BOTY 3102. Prerequisite: BOTY 1050 or equivalent. (Lecture, 3 hours; laboratory, 3 hours; field trips) (Spring)

**\*BOTY 3120 Morphology of Vascular Plants (4 units).**

Comparative study of structure, development, ecology, and evolutionary importance of psilophytes, club mosses, horsetails, ferns, and seed plants. Satisfies the departmental diversity requirement. Corequisite: BOTY 3122. Prerequisite: BOTY 1050 or equivalent. (Lecture, 3 hours; laboratory, 3 hours; field trips) (Fall)

**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) (Fall)

**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. Prerequisite: Consent of instructor.

**BOTY 4980 Individual Study (1–4 units).**

For students capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

**Entomology: Upper Division****\*ENTO 3000 Principles of Entomology (4 units).**

Classification, control, life history, structure, ecology, and basic physiology of insects. Satisfies the departmental diversity requirement. Corequisite: ENTO 3002. Prerequisite: ZOOL 1050 or equivalent. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Fall)

**\*ENTO 3330 Medical Entomology (3 units).**

Relation of insects, arachnids, and other arthropods to the causation of pathological conditions in man and other animals or to the transmission of organisms which are responsible for such pathological conditions. Satisfies the departmental diversity requirement. Corequisite: ENTO 3332. Prerequisite: ZOOL 1050 or equivalent. (Lecture, 2 hours; laboratory, 3 hours; field trips) (Spring)

**\*ENTO 3740 Insect Classification (4 units).**

Survey of major groups of insects with classification to family level, taxonomic categories and procedures, nomenclature, and literature. Satisfies the departmental diversity requirement. Corequisite: ENTO 3742. Prerequisite: Consent of instructor. (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: 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, 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 (1unit).**

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.

**Zoology: Lower Division****ZOOL 1050 Introduction to Zoology (4 units).**

Introduction to basic principles common to the animal kingdom. The course 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 (3units).**

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 (5units).**

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 (3units).**

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 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 3610 or consent of instructor. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Spring)

**\*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 3150 or 3610 or consent of instructor. (Lecture, 2 hours; laboratory, 6 hours; field trips) (Spring)

**\*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 3150 or 3610 or consent of instructor. (Lecture, 2 hours; laboratory, 6 hours; weekend field trips). (Spring)

**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 2.b.iii requirement for the major.

(\*\*) These courses are not offered on a yearly basis. 

# Chemistry

Office: Science Building 217  
(209) 667-3468

Chair: Hobart G. Hamilton, Jr.

E-mail: [hobart@chem.csustan.edu](mailto:hobart@chem.csustan.edu)

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

Faculty: John Almy, Jim Byrd, Hobart G. Hamilton, Jr.,  
Alexander J. Pandell, Michael J. Perona,  
Shane L. Phillips, Koni K. Stone

Emeritus Jimmy W. Hinkson,  
Faculty: Evan M. Thompson

The Department of Chemistry offers programs of study for students seeking the degrees Bachelor of Arts or the Bachelor of Science in Chemistry. Students may also elect to complete a concentration in Environmental Sciences as part of either the Bachelor of Arts or Bachelor of Science program. 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 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 Premedical and Health Professions Committee. (Please see "Admission to the University" section of this catalog.)

A single subject waiver program is available for chemistry majors who intend to declare science as a subject matter teaching area. Students must plan their academic program carefully with their adviser to complete the approved waiver program at the time of graduation.

## Bachelor of Science Degree

The Bachelor of Science 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 4610, and either MATH 2530 or MATH 3230, in addition to the Bachelor of Science degree requirements listed below. Students obtaining an accredited degree are eligible to join the ACS immediately upon graduation.



Christine Van Ryes, Chemistry Major

*"From the first day of the first class, I was hooked. The professors give so much of their time to us individually, and the way they present class material, I feel compelled to learn more and more about chemistry."*

—Christine Van Rys, Student

### CAREER OPPORTUNITIES

*Teaching, consulting*

*Industrial research and development: rocket fuels, petrochemicals, textiles, cosmetics, pharmaceuticals, instrumentation, wine chemistry. Food production, chemical sales, government services, sanitation*

*Medical Sciences: Dentistry, medicine, veterinary medicine, pharmacy, medical technology*

## 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.
- 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, 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, 1 unit  
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, 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:

- CHEM 4610 Computer Methods in Chemistry, 2 units, **and**  
MATH 2530 Linear Algebra, 3 units, **or**  
MATH 3230 Differential Equations, 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, 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

### 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\*  
CHEM 3010, 3020 Organic Chemistry I, II, 6 units  
CHEM 3012, 3022 Organic Chemistry Lab I, II, 2 units  
Upper-division electives in chemistry as approved by the department, 7 units



## Teaching Credentials

The waiver program for satisfying the subject matter competency requirements for the single subject teaching credential in the sciences was being revised at the time the catalog went to press. Students enrolled in the program before January 1, 1995, can satisfy the subject matter competency requirements in physical science by completing the old waiver program or choose to complete the new waiver program. New students interested in a single subject teaching credential in the sciences must consult with their adviser about the content of the new program.

## 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 Multiple Subjects Waiver program. 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, 2400, or 3070. (Fall, Spring)

#### **CHEM 1050 Introduction to Chemistry (4 units).**

An introduction to the principles of chemistry with a quantitative emphasis. Not applicable to the major in chemistry. Corequisite: CHEM 1052. (Lecture, 3 hours; laboratory, 3 hours)

#### **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: Two years of high school algebra or consent of instructor. (Lecture, 3 hours; laboratory, 3 hours; discussion, 1 hour) (CAN CHEM 2) (Fall, Spring)

#### **CHEM 1106 Principles of Chemistry I Workshop (1unit).**

Problem-solving and collaborative learning for Principles of Chemistry I. Recommended, but not required, for students in CHEM 1100. Corequisite: CHEM 1100.

#### **CHEM 1110 Principles of Chemistry II (5 units).**

A continuation of CHEM 1100, emphasizing gaseous and ionic equilibria, electrochemical principles, thermodynamics, radiochemistry, 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 1116 Principles of Chemistry II Workshop (1unit).**

Problem-solving and collaborative learning for Principles of Chemistry II. Recommended, but not required, for students in CHEM 1110. Corequisite: CHEM 1110.

#### **CHEM 2000 Experiments for the Elementary School Classroom (2 units).**

The primary goal of the course is to teach students to develop chemistry experiments which can be used in the elementary school classroom. The scientific method and chemical principles will be stressed in experiments which use only common, readily available substances. Corequisite: CHEM 2002 (laboratory). Prerequisite: CHEM 1000 or equivalent, or concurrent enrollment in CHEM 1000. (Lecture, 1 hour; laboratory, 3 hours) (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 2400 The Science of Winemaking (4 units).**

A basic and practical introduction to enology. Topics include alcohol, fermentation, viticulture, acids, bases, winemaking operations, distillation, history and an introduction to U.S., French, and German wines. Satisfies G.E. area B1. (Lecture, 4 hours) (Winter)

#### **CHEM 2500 Chemistry of Photography (4 units).**

The basic principles of chemistry will be developed and applied to an understanding of the photographic process. Topics to be covered include the chemistry of the formation of the latent image, development, and fixation in both black and white and color photography. Satisfies G.E. area B1. Corequisite: CHEM 2502. (Lecture, 3 hours; laboratory, 3 hours) (Winter)

#### **CHEM 2600 Consumer Chemistry (4 units).**

(Formerly CHEM 2980) An explanation of how commonly used substances work, based on the principles of chemistry. Topics covered will include plastics, hair care products, paints, cleansing agents, and food. Satisfies G.E. area B1. Corequisite: CHEM 2602. (Lecture, 3 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.

\*CHEM 1100, which is a prerequisite for this course, can be taken in place of CHEM 1000 for those Liberal Studies students opting for the chemistry concentration.

## 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. (Lecture, 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 3050 Forensic Chemistry (4 units).**

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

### **CHEM 3060 Our Molecular World (4 units).**

Connecting the molecular world with the macroscopic world that we see and experience develops a broader perspective of our world. The properties, reactions, and energy transformations associated with matter are explored. Designed specifically for future teachers. (LIBS Integrative: Scientific/Mathematical Inquiry) Prerequisite: Completion of lower- and upper-division science requirements for the Liberal Studies program.

### **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. (Not applicable to the major or minor in chemistry.) Satisfies G.E. area F1. Prerequisite: Any course applicable to the General Education requirement in the sciences. (Fall, Spring)

### **CHEM 3080 The Chemistry of Nuclear Energy (3 units).**

The course will consider many aspects of nuclear chemistry including forms of radiation, nuclear reactions, military applications and applications in chemistry, medicine, archeology, and art. Particular emphasis will be placed on nuclear energy production. (Not applicable to the major or minor in Chemistry.) Prerequisite: A lower-division science course. (Winter)

### **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 requirement for the Liberal Studies program.

### **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)

### **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: CHEM 4400. (Spring)

**CHEM 4610 Computer Methods in Chemistry (2units).**

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).**

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 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).**

This course is 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. 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



Bryan Robins, Senior, Child Development Major

*“The Child Development lab is really great. You can learn in an application type environment.”*

—Bryan Robins, Student

## CAREER OPPORTUNITIES

Preschool teacher/director/owner, child care teacher/director, before and after school teacher/director, parent education instructor, elementary school teacher, marriage, child and family counselor, pediatric psychologist, social worker, adoption counselor, community college instructor

Office: Classroom Building 231  
(209) 667-3386

Coordinator: Victoria Cortez

The interdisciplinary child development program offers the degree Bachelor of Arts, Child Development. The child development program also offers a concentration for the Liberal Studies degree. (See the “Liberal Studies” section of this catalog for more information.)

## 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. 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.

Students pursuing authorization to teach in public elementary schools must complete a Multiple Subjects Credential upon completion of their degree or concurrent with the completion of the baccalaureate. Students wishing to obtain a Multiple Subjects Teaching Credential may wish to consider one of two routes: (1) students completing the Child Development major (or any other single subject major) may qualify for the Credential Program, in part, by passing the Multiple Subjects Assessment for Teachers—MSAT (formerly NTE); (2) alternatively, students may waive the MSAT by completing the Liberal Studies major and a concentration in their area of choice. The Liberal Studies concentration in child development is described in this section. 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, or CDEV 3440.
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. Effective Winter 1996, Child Development courses are noted by the CDEV prefix. Child Development courses, prior to this date, are 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 are also 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 (22 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 Child Guidance and Management, 3 units, **or**
    - CDEV 3181 Early Childhood Development, 3 units, **or**
    - CDEV 3440 Developmental Assessment, 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: (15 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)
    - iv. \*Elective, upper-division, upon advisement, 3 units
  - b. **Child Development Research Track**  
(Child Development Research Certificate):
    - i. Complete the following: (10 units)
      - SSCI 3000 Library Resources for the Social Sciences, 2 units
      - PSYC 3000 Experimental Methods, 4 units
      - PSYC 3120 Human Development Research Lab, 1 unit
      - CDEV 4000 Child Development Research Methods, 3 units
    - ii. CDEV 4940 Fieldwork in Child Development (2 units minimum)
    - iii. \*Elective, upper-division, upon advisement 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)
    - iii. \*Elective, upper-division, upon advisement, 3 units
  - d. **General Track:** Select 15 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: Select elective course work from the courses listed below. Electives within the track may not be cross counted for the courses required within the major core. The total number of units to complete a track is 15 upper-division units. The total of upper-division units in the major must total 37. Winter term and summer session courses may be substituted upon advisement:

- ANTH 4165 The Family in Cross-Cultural 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 and Aging, 3 units  
 CDEV 3440 Developmental Assessment, 3 units  
 CDEV 4000 Child Development Research Methods, 3 units  
 CDEV 4180 Developmental Programs for Preschool Children, 3 units, **and**  
 CDEV 4190 Developmental Programs Laboratory, 1 unit  
 CDEV 4940 Field Work in Child Development, 1-2 units (must be approved by adviser)  
 CDEV 4945 Internship at CDC as Instructional Aide, 1 unit  
 CDEV 4946 Internship at CDC as Head Teacher, 2 units  
 CDEV 4947 Internship at CDC 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  
 DRAM 3020 Children's Theatre, 3 units, **or**  
 DRAM 4020 Performance for Children, 4 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 3120 Human Development Research Laboratory, 1 unit  
 PSYC 3700 Introduction to Learning and Motivation, 3 units  
 PSYC 4110 Behavior Genetics, 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

## 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, or 3440
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.

### The 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 Child Guidance and Management, 3 units, **or**  
 CDEV 3181 Early Childhood Development, 3 units, **or**  
 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,  
 ETHS 4010 The African American Family, 3 units, **or**  
 ETHS 4030 Asian American Families, 3 units, **or**  
 SOCL 3150 The Family, 3 units

2. Electives: Select 6 units of electives from the following courses. Electives may not be cross counted for the courses required within the concentration core. The total number of units to complete a child development concentration is 22. Winter term and summer session courses may be substituted upon advisement:

ANTH 4165 The Family in Cross-Cultural 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  
 CHEV 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 adviser)  
 CDEV 4945 Internship at CDC as Instructional Aide, 1 unit  
 CDEV 4946 Internship at CDC as Head Teacher, 2 units  
 CDEV 4947 Internship at CDC as Assistant Administrator, 2 units  
 CDEV 4948 Child Development Senior Internship, 1 unit, **and**  
 CDEV 4965 Child Development Senior Seminar, 2 units  
 CDEV 4950 Selected Topics in Child Development, 1-4 units  
 CDEV 4960 Organization and Administration of Early Childhood Education Programs, 4 units  
 CDEV 4980 Individual Study, 1-3 units  
 CDEV 4990 Senior Honors Thesis, 3 units  
 COMM 3010 Language and Speech Development, 3 units  
 COMM 3400 Oral Interpretation of Children's Literature, 3 units  
 DRAM 3020 Children's Theatre, 3 units, **or**  
 DRAM 4020 Performance for Children, 4 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 3120 Human Development Research Laboratory, 1 unit  
 PSYC 3700 Introduction to Learning and Motivation, 3 units  
 PSYC 4110 Behavior Genetics, 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

## 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 in the University Credential Processing Center.

## Course Descriptions

### Upper Division

#### **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 (3units).**

(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).**

This course 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 3140 Human Development I: Childhood (3units).**

(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 (3units).**

(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 (3units).**

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 4000 Child Development Research Methods (3 units).**

This course will cover 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 (1unit).**

(Formerly PSYC 4190) Laboratory work in the Child Development Center. Corequisite: CDEV 4180. Prerequisites: PSYC 3010 and 3181.



**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 (2units).**

(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. 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 (1unit).**

(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) ■

# The Child Development Center

Office: Educational Services Building  
(209) 667-3036

Director: Rita Asher

Assistant

Director: Diane Williams

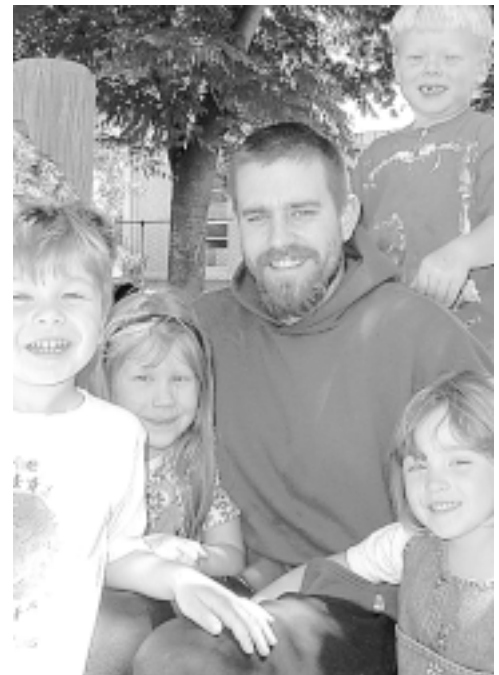


The California State University, Stanislaus Child Development Center (CDC) is an instructional facility established to teach university students about child development—theory and applications, program design and evaluation, and research. Students from varied disciplines such as child development, communication 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 14 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 Mrs. Diane Williams, Assistant Director.

*A laboratory preschool and infant toddler center where University students, young children, and their parents are empowered to construct knowledge about the world.*



Kelly Moore, Child Development Major

*“The Child Development Center provides caring and nurturing for children to develop and grow.”*

Kelly Moore, Student

# Cognitive Studies

- Office:** Demergasso-Bava Hall 287  
(209) 667-3185
- E-mail:** [cogs@csustan.csustan.edu](mailto:cogs@csustan.csustan.edu)
- FAX:** (209) 667-3333
- Website:** <http://cogs.csustan.edu>
- Coordinator:** Lin S. Myers (Psychology)  
Computer Science Bldg 104  
(209) 667-3722 or 3584
- 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:** Roberta T. Anderson (Communications Studies)  
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)



Monica Gonzalez-Marquez, Cognitive Studies Major

*“The mind is what the brain does.”*

—Dr. Thomas A. Gentry, Professor  
Psychology and Cognitive Studies, 1935-1995

## 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 cognitive processing. The program draws from the fields of Neuroscience, Computer Science, Linguistics, Art, Philosophy, Psychology, Biology, and Physics. Cognitive Studies emphasizes strategies for investigating how real and artificial brains process images and language, form concepts, and solve problems. Though several discipline based courses provide important background knowledge and serve as points of departure for cognitive explorations, the degree program features integrative courses at the introductory and advanced levels. Central themes in the courses include the relationship between consciousness and cognitive processes, the emergence of adaptive pattern-recognition schemes, nonlinear methods for modeling complex systems, the use of language, symbols, and images for representing and manipulating knowledge, memory and decision processes, the relation of thought to action, and the latest advances in machine intelligence.

Adequate investigation of these phenomena requires a synthesis of methods and considerable exposure to important new technological capacities. Thus, in addition to the broad-based conceptual analysis of intelligent systems, students will be trained in a diversity of electronic media, including telecommunications networks, artificial sensory and motor systems, data base management, and problems associated with human/machine interfaces. Students completing this program should expect to gain an appreciation for the general way in which empirical evidence, simulation, and conceptual analysis work together to enrich our understanding of the cognitive processes underlying intelligence and the ability to solve complex problems. The graduate in Cognitive Studies will have preparation for work in fields utilizing the modern information technologies, or for advanced studies in cognitive science and graduate programs concerned with cognitive development and performance.

## 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 (15 units):
  - a. Cognitive Studies (6 units):
    - COGS 2100 Introduction to Cognitive Studies, 3 units
    - COGS 2300 Cognitive Simulations, 3 units
  - b. Background Issues (9 units):
    - BIOL 1010 Principles of Biology, 3 units
    - PHIL 2230 Modern Philosophy, 3 units
    - PSYC 2010 Introduction to Psychology, 3 units
3. Complete the major of 32 units, as approved by the major adviser.

### The Major (32 units)

1. Required Courses (17 units):
  - COGS 3100 Communications Networks, 3 units
  - COGS 3150 Nonlinear Systems and Chaos, 4 units
  - COGS 4960 Seminar: Cognitive Science, 3 units, or
  - COGS 4990 Senior Project, 3 units
  - PHIL 3500 Philosophy of Mind, 4 units
  - PSYC 3100 Introduction to Physiological Psychology, 3 units
2. Electives (15 units minimum):
  - a. Cognitive Science (3 units minimum):
    - COGS 3200 Human Factors, 3 units
    - COGS 4680 Neural Nets and Intelligent Machines, 4 units
    - COGS 4950 Selected Topics in Cognitive Studies, 1-5 units
    - CS 4450 Coding and Information Theory, 3 units
    - CS 4480 Artificial Intelligence, 3 units
    - PSYC 3102 Introduction to Physiological Psychology Laboratory, 1 unit
    - PSYC 3400 Introduction to Perception, 3 units
  - b. Consciousness and Creativity (3 units minimum):
    - ART 3700 Computer Art, 3 units
    - COGS 4100 Philosophical Aspects of Cognitive Science, 3 units
    - COGS 4700 Intelligence, 3 units
    - PHIL 4150 Cognitive Phenomenology, 3 units
    - PSYC 3170 Early Cognitive Development, 3 units
    - PSYC 4400 Cognitive Processes, 3 units
    - PSYC 4800 Origins of Human Consciousness, 3 units
  - c. Language and Meaning (3 units minimum):
    - ENGL 3750 Introduction to Linguistic Theory, 4 units
    - COGS 4200 Colloquium on Science, Technology, and Human Values, 3 units
    - CS 4410 Automata, Computability and Formal Languages, 3 units
    - PHIL 4260 Twentieth Century Philosophy, 3 units
    - PHIL 4300 Philosophy of Language, 3 units

## Degree Minor

### Requirements (18 units)

The Cognitive Studies Minor is designed to accommodate students who desire a breadth of exposure to exciting empirical and theoretical developments in the study of cognitive processing.

1. Required Courses (6 units):
  - COGS 2100 Introduction to Cognitive Studies, 3 units
  - COGS 2300 Cognitive Simulations, 3 units
2. Upper Division Electives (12 units minimum):
  - a. Cognitive Science (3 units minimum):
    - COGS 3150 Nonlinear Systems and Chaos, 4 units
    - COGS 3200 Human Factors, 3 units
    - COGS 4680 Neural Nets and Intelligent Machines, 4 units
    - COGS 4950 Selected Topics in Cognitive Studies, 1-5 units
    - CS 4450 Coding and Information Theory, 3 units
    - CS 4480 Artificial Intelligence, 3 units
    - PSYC 3100 Introduction to Physiological Psychology, 3 units
    - PSYC 3102 Introduction to Physiological Psychology Laboratory, 1 unit
    - PSYC 3400 Introduction to Perception, 3 units
  - b. Consciousness and Creativity (3 units minimum):
    - ART 3700 Computer Art, 3 units
    - COGS 4100 Philosophical Aspects of Cognitive Science, 3 units
    - COGS 4700 Intelligence, 3 units
    - PHIL 4150 Cognitive Phenomenology, 3 units
    - PSYC 3170 Early Cognitive Development, 3 units
    - PSYC 4400 Cognitive Processes, 3 units
    - PSYC 4800 Origins of Human Consciousness, 3 units
  - c. Language and Meaning (3 units minimum):
    - ENGL 3750 Introduction to Linguistics Theory, 3 units
    - COGS 3100 Communication Networks, 3 units
    - COGS 4200 Colloquium on Science, Technology, and Human Values, 3 units
    - CS 4410 Automata, Computability and Formal Languages, 3 units
    - PHIL 3500 Philosophy of Mind, 3 units
    - PHIL 4260 Twentieth Century Philosophy, 3 units
    - PHIL 4300 Philosophy of Language, 3 units

## Course Descriptions

### Lower Division

#### **COGS 2100 Introduction to Cognitive Studies (3units).**

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 Cognitive Simulations (3 units).**

Introduction to empirical modeling of natural and artificial cognitive processing, utilizing simulation of such systems as Turing machines, neural networks, nonlinear systems and parallel processing modes of problem solving. Analysis of the theories and assumptions of artificial intelligence research. Applications of new computer technologies designed to replicate natural cognitive processing techniques.

### Upper Division

#### **COGS 3100 Communication Networks (3 units).**

(Same as CS 3000) 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 (4 units).**

This course deals with the quantitative methods needed 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 mathematics. Corequisite: COGS 3152. Prerequisite: COGS 2300 or consent of instructor. (Lecture, 3 hours; laboratory, 3 hours)

#### **COGS 3200 Human Factors (3 units).**

The human/machine interface provides the domain for human factors research and applications. The interaction between individual cognitive abilities and machines is a critical concern in the design and development of new technologies. This course provides the basic skills needed to optimize human performance.

#### **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 4200 Colloquium on Science, Technology, and Human Values (3 units).**

This seminar explores the impact of science and technology on human behavior and values. Students will study the origins and principles of human valuation, the cross-cultural and individual differences in human values, how science and technology have influenced and altered human values in the past, and how current developments pose new challenges to humanity. Prerequisite: Consent of instructor.

#### **COGS 4680 Neural Nets and Intelligent Machines (4units).**

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).**

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.

# Communication Studies



Dolla Elsumeri, Senior Communication Studies Major

*“The opportunity to work at KCSS provided me with hands-on experience that allowed me to grow and learn a great deal. The faculty and staff in the Communications Department have also played a vital role in my education. They are always at hand to support students in an effort to prepare them for the future.”*

—Dolla Elsumeri, Student

## CAREER OPPORTUNITIES

Community college teacher, sales manager, lobbyist, speech writer, minister, lawyer, politician, consumer market researcher, staff analyst, focus group leader, political campaign, 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

Office: Demergasso-Bava Hall 125  
(209) 667-3371

Chair: John R. Sumser

Faculty: Richard Alter, Roberta T. Anderson, Fred P. Hilpert, Jr., Marjorie Jaasma, Sheryl Lindsley, John R. Sumser, Thomas J. Young

Emeritus  
Faculty: Max C. Norton, Jerry L. Weedon

The Department of Communication Studies offers the degree Bachelor of Arts, Organizational Communication, and degree minors in Journalism and Speech Communication.

The University offers the degree Bachelor of Arts, Social Sciences, with an interdepartmental major in Speech 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 Organizational Communication

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.

## Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (9 units):
  - a. COMM 2011 Introduction to Communication Studies, 3 units, **or**  
COMM 2200 Introduction to Mass Media, 3 units,
  - b. COMM 2000 Public Speaking, 3 units, **or**  
COMM 2110 Group Discussion Processes, 3 units, **or**  
COMM 2400 Oral Interpretation, 3 units
  - c. JOUR 2150 Newswriting, 3 units
3. Complete one of the following courses in a supporting field (3 units):
  - a. ANTH 2060 Introduction to Cultural Anthropology, 3 units, **or**  
ECON 2500 Principles of Macroeconomics, 3 units, **or**  
ECON 2510 Principles of Microeconomics, 3 units, **or**  
PSYC 2010 Introduction to Psychology, 3 units, **or**  
SOCL 1010 Introduction to Sociology, 3 units
  - b. Strongly recommended:  
MATH 1600 Statistics, 4 units
4. Complete the major of not less than 31 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. Completion of a minor is not required. However, any student seeking a minor may not count course units in both the major and minor (double-counting). Program approval is required by both the major and minor adviser. Upper-division General Education courses may be counted as units in a minor.

## The Major (31 units)

1. Complete the following required courses (19 units):  
COMM 3100 Advanced Interpersonal Communication, 3 units  
COMM 3140 Persuasive Messages, 3 units  
COMM 3200 Communication Theory, 3 units  
COMM 3900 Communication Research Methods, 3 units  
COMM 4110 Organizational Communication, 3 units  
COMM 4160 Intercultural Communication, 3 units
2. Select one course from the following (3 units):  
COMM 3120 Management Communication, 3 units, **or**  
COMM 4170 Professional Interviewing, 3 units, **or**  
JOUR 3040 History of Journalism, 3 units
3. Select one course from the following (3 units)  
COMM 4060 Family Communication, 3 units, **or**  
COMM 4100 Group Communication, 3 units, **or**  
COMM 4120 Advanced Persuasion and Social Influence, 3 units, **or**  
PSYC 4820 Group Dynamics and Interpersonal Behavior, 3 units
4. Select one course from the following (3-4 units):  
MGT 3310 Management Theory and Practice, 3 units, **or**  
MGT 4000 Organization and Environment, 3 units, **or**  
SOCL 4800 Formal Organizations in Modern Society, 3 units, **or**  
PSCI 4300 Organization Theory, 4 units
5. Select one course from the following (3 units):  
COMM 4200 Mass Media Theory and Research, 3 units, **or**  
COMM 4210 Public Relations, 3 units

## 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, **or**  
COMM 2400 Oral Interpretation, 3 units
3. Complete one of the following (3 units):  
COMM 3010 Language and Speech Development, 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 Program

The Department of Communication Studies 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 Communication Studies 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.

## Liberal Studies Concentration in Communication Studies

### Requirements (21 units)

1. Complete the following required courses (21 units):
  - a. COMM 2011 Introduction to Communication Studies, 3 units
  - b. COMM 2000 Public Speaking, 3 units, **or**  
COMM 2110 Group Discussion Processes, 3 units, **or**  
COMM 2400 Oral Interpretation, 3 units
  - c. Upper-division courses on advisement, 15 units

## Teaching Credentials

An approved single subject waiver is available to speech majors who wish to declare English as their subject matter teaching area, with applicable courses on advisement. Please refer to the "School of Education, Teacher Education" section of this catalog for a description of other requirements to be completed in obtaining a single subject credential.

## Communication Studies Sub-Areas

### Theory and Methods

- COMM 2011 Introduction to Communication Studies, 3 units
- COMM 2200 Introduction to Mass Media, 3 units
- COMM 3010 Language and Speech Development, 3 units
- COMM 3140 Persuasive Messages, 3 units
- COMM 3200 Communication Theory, 3 units
- COMM 3900 Communication Research Methods, 3 units
- COMM 4030 Communication Research Analysis, 4 units

COMM 4140 Rhetorical Theory, 3 units  
 COMM 4160 Intercultural Communication, 3 units  
 COMM 4200 Mass Media Theory and Research,  
 3 units

**Processes and Contexts**

COMM 3100 Advanced Interpersonal  
 Communication, 3 units  
 COMM 3120 Management Communication, 3 units  
 COMM 4050 New Rules for Social Relationships,  
 3 units  
 COMM 4060 Family Communication, 3 units  
 COMM 4100 Group Communication, 3 units  
 COMM 4110 Organizational Communication, 3 units  
 COMM 4120 Advanced Persuasion and Social  
 Influence, 3 units  
 COMM 4130 Communication and Aging, 3 units  
 COMM 4150 Nonverbal Communication, 3 units  
 COMM 4170 Professional Interviewing, 3 units  
 COMM 4180 Health Communication, 3 units  
 COMM 4210 Public Relations, 3 units  
 COMM 4950 Selected Topics in Speech, 1-4 units  
 COMM 4980 Individual Study, 1-4 units

**Applications and Communication Competence**

COMM 2000 Public Speaking, 3 units  
 COMM 2110 Group Discussion Processes, 3 units  
 COMM 2400 Oral Interpretation, 3 units  
 COMM 2911 Communication Projects, 2 units  
 COMM 3400 Oral Interpretation of Children's  
 Literature, 3 units  
 COMM 3911 Communication Projects, 2 units  
 COMM 3930 Community Forensics Practicum,  
 1-2 units  
 COMM 3960 Communication Colloquium, 1-2 units  
 COMM 4940 Organizational Communication  
 Internship, 2-4 units

## 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 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 multipersonal systems. Satisfies G.E. area D2. (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) (Fall, Winter, Spring)

**COMM 2200 Introduction to Mass Media (3 units).**

This course will provide an overview of historical, theoretical, economic, and societal perspectives on the mass media. Topics of special interest will include violence, pornography, advertising, learning, and politics as related to the media. Satisfies G.E. area D2. (CAN JOUR 4) (Spring)

**COMM 2400 Oral Interpretation (3 units).**

Fundamentals of theory; techniques and practices in communicating from the printed page. (Fall)

**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 3010 Language and Speech Development (3 units).**

Development of normal speech and language, including the stages of development, the roles of learning and experience, phonological, morphological, grammatical, semantic, pragmatic, and effective aspects; cultural and dialectical factors. Prerequisite: Junior standing or consent of instructor. (Fall, Spring)

**COMM 3020 Communication in the Classroom (3units).**

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 dramatic techniques. Designed specifically for future teachers. (LIBS Integrative: Humanistic Inquiry)

**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. Prerequisite: Junior standing or consent of instructor. (Fall, Winter, Spring)

**COMM 3120 Management Communication (3units).**

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. (Fall, Spring)

**COMM 3140 Persuasive Messages (WP) (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. Satisfies upper division writing proficiency requirement. Prerequisite: Organizational Communication majors only, junior standing, WPST grade report of "pass," or consent of instructor. (Fall, Spring)



**COMM 3200 Communication Theory (3 units).**

(Formerly COMM 4000) Communication models; natural and formal language systems; contributions of theories of information, semantics, psycho-linguistics, cybernetics, and general systems to the study of communication. Prerequisite: Junior standing. (Fall)

**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 COMM 2400, or consent of instructor. (Fall)

**COMM 3900 Communication Research Methods (4units).**

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 (2units).**

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: ENGL 2000 or PHIL 2000 or consent of instructor. (Fall, Spring)

**COMM 3960 Communication Colloquium (1 unit).**

The colloquium will address controversial areas of communication theory and practice, with particular attention to the potential impact of communication on culture, society, and the individual. Format will vary depending on the topic; however, guest lecturers will present contending viewpoints. May be repeated for a maximum of 4 units. (Fall, Winter, Spring)

**COMM 4030 Communication Research Analysis (4units).**

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. Corequisite: COMM 4032. Prerequisite: COMM 3900 or SOCL 3030. (Lecture, 3 hours; laboratory, 2 hours) (Fall)

**COMM 4040 Gender Communication (3 units).**

(Same as WMST 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.

**COMM 4050 New Rules for Social Relationships (3units).**

This course analyzes in detail a variety of recently emerging relationship forms and the underlying values they express. New forms such as cohabitation, intimate friendships, homosocial and 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. Prerequisite: Junior standing or consent of instructor. (Winter)

**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. Prerequisites: COMM 3140 and COMM 3900, or consent of instructor. (Spring)

**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 3140, COMM 3900, or consent of instructor. (Fall)

**COMM 4110 Organizational Communication (3units).**

Theory, problems, and practices of communication in organizations: business, industry, and public agencies. Examination of the factors involved in message transmission among various levels of management and operations, including the functioning of organizations through communication networks, and communicative contacts with other organizations and the public. Prerequisites: COMM 3140, COMM 3900, Organizational Theory course option, or consent of instructor. (Fall, Spring)

**COMM 4120 Advanced Persuasion and Social Influence (3 units).**

Principles of message construction derived from studies of motivation. Context, receiver, and media factors will be related to the development of message strategies, such as sidedness, the aspects of order, types of appeals, evocative language, and inoculation. Prerequisites: COMM 3140 and COMM 3900, or consent of instructor. (Spring)

**COMM 4130 Communication and Aging (3 units).**

This course 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 (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. Prerequisite: Junior standing or consent of instructor. (Winter)

**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).**

This course 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. (Fall, Spring)

**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).**

This course 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. (Fall)

**COMM 4200 Mass Media Theory and Research (3units).**

(Formerly *Mass Communication Perspectives*) This course will examine the development of mass communication systems, with special emphasis on the role of broadcast media in contemporary societies. Mass media will be considered from several alternative perspectives useful in analysis, criticism, and practice. Particular attention will be given to interactions between technological systems, societal structure, and human communication processes. Prerequisites: COMM 3140 and COMM 3900, or consent of instructor. (Fall)

**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. Prerequisites: COMM 3140 and COMM 3900, or consent of instructor. (Fall)

**COMM 4220 Technology and Communication (3units).**

A critical examination of the theoretical and social impact of new communication technologies. Focuses on media such as the Internet, multimedia production, and interactive entertainment. Prerequisites: Junior standing and completion of WP course.

**COMM 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 department Co-op coordinator. May be repeated for a total of 8 units depending upon departmental policy. Prerequisites: Sophomore standing and consent of departmental coordinator.

**COMM 4940 Organizational Communication Internship (2-4 units).**

This course is 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 Science

Office: Demergasso-Bava Hall 287  
(209) 667-3185

Chair: Thomas J. Carter

Faculty: Thomas J. Carter, Robert S. Cunningham,  
Edward L. Lamie, John J. Sarraille,  
Raymond L. Zarling

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

The Department of Computer Science offers courses designed for quality undergraduate education to meet the needs of students majoring in computer science, as well as students in other fields with interests in differing aspects of the theory and practice of computing.

The department offers the degree Bachelor of Science. The degree program is designed to prepare those completing it for careers in the computing profession as well as for advanced studies. The degree program presupposes seven semesters of college preparatory mathematics. In addition, courses in foreign languages and in logic would be useful.

The department also offers a minor in computer science.

## 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 for CS 4910 (Cooperative Education), CS 4930 (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.



Kirk Van Gorkum, Computer Science Major Photo by Steve Cunningham

*“Computer Science is intense but fun, with tremendous rewards for your efforts. I’m excited about the possibilities it offers in the 21st century.”*

— Kirk Van Gorkum, Student

### CAREER OPPORTUNITIES

*Systems Analyst/Programmer, System/Network Administrator, graduate work in Computer Science, Software Engineering, Interface Design Consultant*

**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

**Recommended course:**

The course below may be recommended, depending on the student's professional goals:

CIS 2010 Cobol Programming and Information Systems, 3 units

**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.

**The Major (37 units)**

1. 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, 3 units
  - CS 4960 Seminar in Computer Science, 1 unit
2. 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
3. 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.
  - CS 3000 Communication Networks, 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 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 4910 Cooperative Education, 2–4 units
  - CS 4930 Practicum in Computer Science, 1-3 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:

1. Complete the following lower-division classes:
  - 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
2. 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).**

An 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 1200–1350 Programming Language Laboratory (1 unit).**

Intensive study of a programming language. Total credit earned in CS 1200–1350 may not exceed three units. Credit may not be earned in a particular lab if credit for that programming language has already been earned. CS 1200, Ada Lab; CS 1210, APL Lab; CS 1220, Basic Lab; CS 1230, C Lab; CS 1240, Cobol Lab; CS 1250, Fortran Lab; CS 1260, Fortran Lab; CS 1270, Lisp Lab; CS 1280, Logo Lab; CS 1290, Modula 2 Lab; CS 1300, Pascal Lab; CS 1310, PL/I Lab; CS 1320, Prolog Lab; CS 1330, Snobol Lab. These courses are offered as dictated by interest and staffing. Prerequisite: Working knowledge of at least one programming language.

**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 1700 Computer Programming for Scientific Applications (3 units).**

An introduction to the use of the computer in scientific applications, using an appropriate language such as Fortran or PL/I. The course will cover data analysis techniques, real-time techniques, use of subroutine libraries, and algorithms such as the fast Fourier transform. Prerequisites: CS 1500 and MATH 1410.

**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) (CAN CSCI 10) (Fall)

**Upper Division****CS 3000 Communication Networks (3 units).**

(Same as COGS 3100) 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. 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 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).**

An introduction to computer graphics. Geometry and graphics primitives, graphics devices, 2D and 3D transformations, clipping, 3D modeling and viewing, curves and surfaces, hidden lines and surfaces, applications. Prerequisite: CS 3100; MATH 2530 is recommended. (Fall)

**CS 3740 Computer Organization (3 units).**

Basic computer architecture including one-address machines, two-address machines, stack machines, addressing methods, memories, I/O multiprogramming, multiprocessing, and microprogramming. Prerequisite: CS 2700. (Fall)

**CS 3750 Operating Systems I (3 units).**

An introduction to computer operating systems, including batch, multiprogramming, multiprocessing, and time sharing. Topics include sequential processes, concurrent process, memory management, segmentation, scheduling algorithms, security, and ethical issues relating to security and privacy. Prerequisites: CS 3100 and 3740. (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).**

This course will give 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 will 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. (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: CS 3100. (Spring)

**CS 4250 Database Management Systems (3 units).**

Data definition and manipulation of selected commercially available Database Management Systems. Hierarchic, network and relational data models. Implementation of a Database Management System. Prerequisites: CS 3050 and 3100. (Spring)

**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).**

Algorithms for combinatorics; for numerical problems, including matrix operations; for systems programming applications; and for artificial intelligence; domain-independent techniques. Prerequisites: CS 3100 and MATH 2300 or MATH 2530. (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).**

Advanced topics in three-dimensional computer graphics. Emphasis on producing high quality images on raster devices. Object modeling, lighting and color models, surfaces, antialiasing, ray tracing. Additional topics in texture mapping, object-oriented graphics, advanced graphics hardware, or animation may be covered. Prerequisites: CS 3600 and MATH 2530 or equivalent. (Winter)

**CS 4750 Operating Systems II (3 units).**

(Formerly CS 3760) Concurrent processes, deadlock, and synchronization; name management; resource allocation; protection; advanced architectures. Prerequisite: CS 3750. (Spring)

**CS 4800 Software Engineering (3 units).**

(Formerly CS 3800) A formal introduction to techniques in software design, development, and verification. A large part of the course is a team project on which students will work on a large software project. Corequisite: CS 4802. Prerequisites: CS 3050 and 3100. (Lecture, 2 hours; laboratory, 2 hours) (Fall)

**CS 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 8 units depending upon departmental policy. Prerequisites: Sophomore standing and consent of Departmental Coordinator. (Fall, Winter, Spring)

**CS 4930 Practicum in Computer Science (1-3 units).**

Practical experience through directed work with department faculty/staff to extend course work knowledge. Six units maximum; up to three units may count towards elective credit. 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 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

Office: Classroom Building 213  
(209) 667-3408

Coordinator: Chau-Pu Chiang

Faculty: Chau-Pu Chiang, Phyllis B. Gerstenfeld, Diana R. Grant, George D. Muedeking, Cecil A. Rhodes, Stephen J. Schoenthaler, Jeanette Sereno

The Department of Sociology and 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.



Lissa Parker, Criminal Justice/Psychology Major

*"Someone once said, 'The decision to succeed is a very difficult one to make.' I can tell you, the faculty of the CSU Stanislaus Criminal Justice and Psychology Departments make that decision infinitely easier."*

—Lissa Parker, student

## 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

## Bachelor of Arts in Criminal Justice

The student may request that the criminal justice faculty waive up to nine 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, of which no more than 9 units of CR-graded course work may apply toward the selective courses.
4. For the Forensic Science concentration, students must complete no less than 49 upper-division units. The degree in Criminal Justice with a Forensic Science concentration requires the completion of no less than 64 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, 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:

- Lower-division prerequisites, 15 units
  - Core courses, 21 units
  - Concentration courses, 18 units
1. Complete the following courses (9 units minimum):
    - 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 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:

- Lower-division prerequisites, 15 units
  - Core courses, 21 units
  - Concentration courses, 18 units
1. Complete the following courses (9 units minimum):
    - 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 14 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 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:

- Lower-division prerequisites, 15 units
  - Core courses, 21 units
  - Concentration courses, 18 units
1. Complete the following courses (9 units minimum):
    - 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 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 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 (28 units minimum)

1. The following General Education-Breadth courses are strongly recommended:
  - CHEM 1100 Principles of Chemistry I, 5 units, **and**
  - CHEM 1110 Principles of Chemistry II, 5 units
  - BIOL 1010 Principles of Biology, 3 units, **or**
  - 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 (64 units total):
  - A. Lower-division prerequisites, 15 units
  - B. Core courses, 21 units
  - C. Concentration courses, 28 units
    - ANTH 4420 Bodies of Evidence, 3 units
    - BIOL 4850 DNA Technology in Forensic Science, 4 units
    - CHEM 3050 Forensic Chemistry, 4 units
    - CJ 3700 Criminalistics: An Introduction to Forensic Science, 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
    - PSYC 4320 Forensic Psychology, 3 units

## Degree Minor (21 units)

### Requirements

1. Complete the following lower-division courses (9 units):
  - CJ 2250 Introduction to Criminal Justice, 3 units
  - CJ 2280 Criminal Law, 3 units
  - CJ 2450 Criminal Judicial Process, 3 units
2. Complete 4 of the following upper-division courses or other upper-division courses with approval of academic adviser (12 units minimum):
  - CJ 3130 Administration of Corrections, 3 units
  - CJ 3160 Administration and Management in Law Enforcement, 3 units
  - CJ 3230 Police Ethics and Civil Liability, 3 units
  - CJ 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

## Liberal Studies Concentration, Criminal Justice Studies

### Requirements

Liberal Studies majors with a concentration in Criminal Justice must complete at least 21 units of criminal justice courses including 15 units of upper-division courses.

#### Required Courses:

- CJ 2250 Introduction to Criminal Justice, 3 units
- CJ 2280 Criminal Law, 3 units

Choose at least five of the following courses, including at least one from each group:

1. CJ 3130 Administration of Corrections, 3 units  
CJ 3420 Community and Problem Oriented Policing, 3 units  
CJ 4230 Juvenile Justice, 4 units
2. CJ 3100 Legal Research and Writing, 3 units  
CJ 4141 Criminal Procedures I, 3 units  
CJ 4151 Criminal Procedures II, 4 units  
CJ 4175 Capital Crimes and the Death Penalty, 3 units
3. CJ 3235 Domestic Violence and Intimate Abuse, 3 units  
CJ 3315 Hate Crimes, 3 units  
CJ 4250 Psychology of Criminal Behavior, 4 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  
SOCL 3120 Criminology, 3 units  
SOCL 3130 Juvenile Delinquency, 3 units

*Note: Course substitutions may be made upon consultation with adviser.*

## Social Sciences Concentration, Criminal Justice

### Requirements

1. Complete the following prerequisites (6 units):
  - CJ 2250 Introduction to Criminal Justice, 3 units
  - CJ 2280 Criminal law, 3 units
2. 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:**

  - 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 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

## 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 AJ 6) (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 CJ 4165 and CJ 4170) A detailed analysis of judicial processing, from booking to sentencing, of individuals accused of crimes. Includes lecture and case study approach of substantive and procedural issues concerning pretrial motions and hearings, arraignments, bail, plea bargaining, trials, and sentencing. May include field trips to selected courts. Prerequisite: CJ 2250 or consent of instructor.

### Upper Division

#### ***CJ 3070 Going to Prison (3 units).***

A tour of local jails and State correctional institutions. This course 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).***

This course is 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).***

This course will examine 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) (4units).***

(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: CJ3173. Prerequisite: CJ 2250. (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 (3units).***

This course will explore 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. The course will consist 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 CJ3310.) A case study, lecture, and theoretical approach to analyzing issues, causes, effects, history, and solutions of hate crimes. The course 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. Prerequisite: CJ 2250, CJ 2280, or consent of instructor.

**CJ 3350 Organized Crime (3 units).**

This course 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. The course will center 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).**

This course will explore the broad and critical areas of crime prevention techniques using the citizenry as the basis. The course will encompass 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).**

This course presents an examination of the breadth and intricacies of white-collar crime in the American criminal justice system. This course 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 (4units).**

This course will examine 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: An Introduction to Forensic Science (4 units)**

Study and analysis of the applications of science and technology to those criminal and civil laws that are enforced by police agencies in the criminal justice system. The course will examine the origins, aspects, and uses of science and technology in the investigation, prosecution, defense, and adjudication of physical evidence in criminal and civil cases. The course will focus on the broad based concept of the investigative crime laboratory in criminal investigations and crime solving. Students will be required to complete an assigned lab project. Corequisite: CJ 3703. Prerequisites: CJ 2250 and 2280 or consent of instructor. (Lecture, 3 hours; laboratory, 2 hours) (Fall)

**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 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. The course 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. The course will examine 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. The course 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. The course will examine 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).**

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 eight units depending on departmental policy. Prerequisites: Sophomore standing and consent of departmental coordinator. (Fall, Winter, Spring)

**CJ 4915 Sex Crimes and Gender Issues in Criminal Justice (3 units).**

This course 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. The course will consist 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. This course will provide 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 (3 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) 

# Drama

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Chair: Jere D. Wade

Faculty: Noble T. Dinse, Richard Levering, Douglas  
McDermott, Jerome O'Donnell, Jere D.  
Wade

The Department of Drama offers the degree Bachelor of Arts, Drama. The department 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. Students and faculty work together on all aspects of production in a 300-seat mainstage theatre and a 100-seat studio. Upon completion of the drama 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 drama curriculum also provide aesthetic and cultural enrichment for liberal arts students.

## Bachelor of Arts, Drama

### Requirements

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (9 units):  
DRAM 1010 Introduction to Theatre, 3 units  
DRAM 1500 Acting for Non-Drama Majors, 3 units\*  
DRAM 2300 Theatre Workshop I, 3 units
3. Complete the major of not less than 40 upper-division units as approved by the major adviser.
4. Completion of a minor is not required.

### The Major (40 units)

1. Complete the following required courses (37 units):  
DRAM 3200 Stagecraft I, 3 units  
DRAM 3210 Makeup, 3 units  
DRAM 3240 Costuming, 3 units  
DRAM 3250 Stagecraft II, 3 units  
DRAM 3510 Classical Theatre, 3 units  
DRAM 3520 The Modern Theatre, 3 units  
DRAM 4350 Rehearsal and Performance, 6 units  
DRAM 4510 Intermediate Acting, 3 units  
DRAM 4520 Advanced Acting, 3 units  
DRAM 4600 Directing, 3 units  
DRAM 4960 Senior Seminar, 4 units
2. Complete one course from the following (3 units):  
ENGL 4130 Dramatic Literature I, 3 units  
ENGL 4135 Dramatic Literature II, 3 units  
ENGL 4140 American Drama, 3 units  
ENGL 4300 Shakespeare, 3 units



Allison and Joshua Morrison, Drama Majors

*“All the world’s a stage,  
and the people merely  
players.”*  
—Shakespeare

### 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*

\* Majors should consult with instructor before enrolling.

*Note: Elective Courses: The following special interest courses are available, but may not be substituted for Major requirements.*

- DRAM 3020 Children's Theatre, 3 units
- DRAM 4020 Performance for Children, 4 units
- DRAM 4550 American Theatre, 3 units

### The Minor (24 units)

1. Complete the following lower-division courses (6 units):  
DRAM 1010 Introduction to Theatre, 3 units  
DRAM 1500 Acting for Non-Drama Majors, 3 units
2. Complete the following upper-division courses (12 units):  
DRAM 3200 Stagecraft I, 3 units  
DRAM 3210 Makeup, 3 units, **or**  
DRAM 3240 Costuming, 3 units  
DRAM 4510 Intermediate Acting, 3 units  
DRAM 4600 Directing, 3 units
3. Select from the following (6 units):  
DRAM 3510 Classical Theatre, 3 units  
DRAM 3520 The Modern Theatre, 3 units  
DRAM 4550 American Theatre, 3 units

### Liberal Studies Concentration

#### Requirements (21 units)

1. Complete the following lower-division courses (6 units):  
DRAM 1010 Introduction to Theatre, 3 units  
DRAM 1500 Acting for Non-Drama Majors, 3 units
2. Complete the following upper-division courses (15 units):  
DRAM 3200 Stagecraft I, 3 units  
DRAM 3210 Makeup, 3 units, **or**  
DRAM 3240 Costuming, 3 units  
DRAM 4600 Directing, 3 units  
Two courses selected from the following (6 units):  
DRAM 3250 Stagecraft II, 3 units  
DRAM 4020 Performance for Children, 4 units  
DRAM 4510 Intermediate Acting, 3 units  
DRAM 4520 Advanced Acting, 3 units

### Teaching Credentials

Students majoring in drama who are interested in obtaining an English single subject credential waiver are referred to a description of the waiver program in the "English" section of this catalog. Please also refer to the "School of Education, Teacher Education" section of this catalog for a description of other single subject credential requirements. State credential procedure provides that an individual holding a single subject teaching credential in one discipline may apply for a "supplementary authorization" to teach another subject if the individual has taken either 20 semester units total or ten upper-division semester units of college course work in the supplementary subject. The Drama Department recommends completing the degree minor in drama for this purpose.

## Course Descriptions

### Lower Division

#### **DRAM 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, Spring)

#### **DRAM 1110 Playgoing (3 units).**

Understanding and appreciation of 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. (Winter, Spring)

#### **DRAM 1500 Acting for Non-Drama 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. (Fall, Spring)

#### **DRAM 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) (Fall, Spring)

#### **DRAM 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. (Fall, Spring)

### Upper Division

#### **DRAM 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)

#### **DRAM 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. (Fall)

#### **DRAM 3210 Makeup (3 units).**

The practical application of makeup for the stage. Included will be work on modeling in line and color, age makeup, and the creation of masks. (Spring)

#### **DRAM 3240 Costuming (3 units).**

The study and practical application of creating costumes for the theatre. Included will be the study of fabrics, pattern making, and construction. Lab hours are required. (Fall)

**DRAM 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. Prerequisite: DRAM 3200 or consent of instructor. (Spring)

**DRAM 3510 Classical Theatre (3 units).**

History of European theatrical production and performance, including selected plays from classical Greece through the eighteenth century. (Fall)

**DRAM 3520 The Modern Theatre (WP) (3 units).**

(Formerly *Romantic and Modern Theatre*) The European and American theatre and drama from 1870 to present. Satisfies upper-division writing proficiency requirement. (Spring)

**DRAM 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)

**DRAM 4350 Rehearsal and Performance (3 units).**

Practical experience in acting, stage management, and crew supervision for public performances. May be repeated for credit each semester. Prerequisite: Consent of instructor. (Fall, Spring)

**DRAM 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: DRAM 1500 or consent of instructor. (Spring)

**DRAM 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: DRAM 4510 or consent of instructor. (Fall)

**DRAM 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. (Spring)

**DRAM 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)

**DRAM 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 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)

**DRAM 4950 Selected Topics in Drama (Topics to be specified in Class Schedule) (1–5 units).**

Development of a selected topic in drama. Topics may vary each term and are frequently selected to complement current dramatic productions. Different topics may be taken for credit. (Fall, Spring)

**DRAM 4960 Senior Seminar (4 units).**

(Formerly DRAM 4610) Senior drama 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 drama major and consent of major adviser. (Spring)

**DRAM 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****DRAM 5940 Advanced Production (2–6 units).**

Advanced production work in drama for qualified postbaccalaureate students. Prerequisite: Consent of instructor. (Fall, Spring)

**DRAM 5950 Selected Topics in Drama (Topics to be specified in Class Schedule) (1–5 units).**

Development of a selected topic in drama. 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)

**DRAM 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) 

# Economics



Nikki York, Economics Major

*“Economics is an essential part of every student’s education.”*

—Nikki York, Student

## CAREER OPPORTUNITIES

*Banking and financial Institutions; business, brokerage, and investment firms; education; federal, state, and local government; health care management; insurance; international trade, labor, and industrial relations; law; market research, private research, and consulting; public utilities; real estate; retail*

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Chair: Edward C. Erickson

Faculty: William D. Crist, Edward C. Erickson,  
Kelvin D. Jasek-Rysdahl, Eungsuk Kim,  
Elaine J. Peterson

Emeritus

Faculty: Albert Yin-Po Lee, H. Dieter Renning

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 at leading universities; (3) to provide an expanded pre-professional base for the student interested in business, better enabling the graduate to obtain vocational objectives in government, business, and/or industry; and (4) to provide undergraduate and graduate service courses for the Masters of Business Administration (MBA) program and the Masters 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 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 4050 Comparative Economic Systems, 3 units  
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 4600 Urban Economics, 3 units
- d. *Labor Economics*  
ECON 4100 Labor Economics, 3 units  
ECON 4120 Collective Bargaining Simulation, 3 units
- e. *Economic History*  
ECON 3100 Economic History of the United States, 3 units

## The 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 adviser.

## Liberal Studies Concentration

### Requirements (20 units)

The liberal studies concentration in economics consists of 20 units, at least 15 of which must be upper-division units.

## 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, 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. (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)

**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. (Spring)

**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. (Fall)

**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 4050 Comparative Economic Systems (3units).**

Comparison of alternative economic systems. Market economies versus planned economies. Institutions and patterns of economic decision making. Resource allocation and income distribution under different forms of economic organization. Comparative economic performance. Prerequisites: ECON 2500 and 2510 or consent of instructor. (Spring)

**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. (Spring)

**ECON 4120 Collective Bargaining Simulation (3units).**

Simulation of collective bargaining negotiations emphasizing (1) interpersonal skills, (2) dilemmas of bargaining, (3) strategies of bargaining, (4) characteristics of the bargaining relationship, (5) physical components of bargaining, and (6) social components of bargaining. (Winter)

**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. (Spring)

**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. (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. (Fall)

**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. Designed specifically for future teachers. (LIBS Integrative: Artistic Inquiry) (Fall, Winter)

**ECON 4540 Public Finance and Fiscal Policy (3units).**

Principles, problems, and policies of federal taxation, expenditures, debt, budgeting, and fiscal policy. Prerequisites: ECON 2500 and 2510 or consent of instructor. (Spring)

**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. (Spring)

**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)

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***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. Prerequisite: Junior standing or consent of instructor. (Fall, Spring)

***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. (Fall)

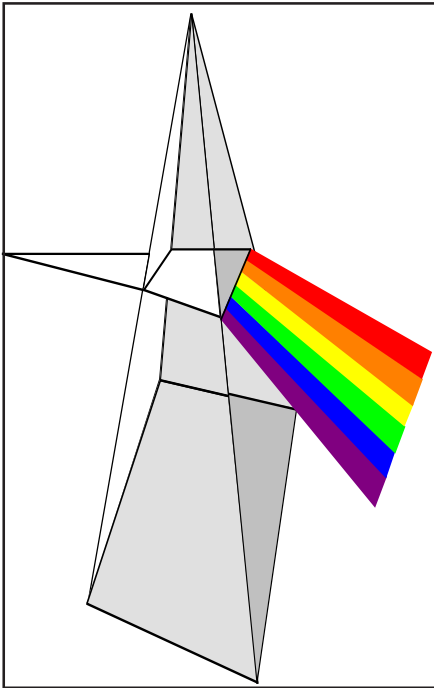
***ECON 5980 Individual Study (1–4 units).***

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



*“This unique partnership with the University of the Pacific will provide valuable experience and career opportunities for our students.”*

—Dr. Mary Cullinan, Dean,  
College of Arts, Letters, and Sciences  
and Professor of English

## CAREER OPPORTUNITIES

Civil Engineer, Computer Engineering, Electrical Engineering, Mechanical Engineering, Engineering Management, Engineering Physics

Office: Science Building 256  
(209) 667-3466

Coordinator: Marvin Johnson

## 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

Office: Library Building 195  
(209) 667-3361

Chair: Susan Marshall

Faculty: Harriet Blodgett, Anna L. Bolling,  
John E. Carroll, Renny Christopher,  
Mary Cullinan, Kathryn Evans,  
Michael Fuller, Lola V. Johnson, Ann  
Krabach, Susan Marshall, Paul P.  
Reuben, Arnold Schmidt, George  
Settera, Jr., Stephen Stryker, Mark  
Thompson, Jack W. Williams

Emeritus  
Faculty: James P. Jensen



Meghan Kubo, Senior English Major

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 medical and 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. Students are encouraged to develop informed and independent critical evaluations through studying both basic requirements and a wide range of elective courses.

*“I chose CSU Stanislaus for many reasons, but the most important reason was class size. My professors make every effort to be accessible and to give each student a level of personal attention unheard of at larger schools.”*

—Meghan Kubo, student

## CAREER OPPORTUNITIES

Teaching, research,  
professional writing in business  
and government, editing

## 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 (12 units):
  - a. Complete two survey courses in British literature:
    - ENGL 2100 British Literature to 1800, 3 units, **and**
    - ENGL 2110 British Literature after 1800, 3 units
  - b. Complete two survey courses in American literature:
    - ENGL 2200 American Literature to 1865, 3 units, **and**
    - ENGL 2210 American Literature after 1865, 3 units
3. Complete the major of not less than 33 upper-division units.
4. Consult with the major adviser concerning requirements, changes in curriculum, waivers, etc.

### The Major (33 units)

1. Complete the following required courses in literature (12 units):
  - ENGL 3100 Literary Genres, 3 units
  - ENGL 3101 Critical Approaches to Literature, 3 units
  - ENGL 4300 Shakespeare, 3 units
  - ENGL 4990 Senior Seminar, 3 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 English Literature, 3 units
  - ENGL 3225 English Romantic Literature, 3 units
  - ENGL 3230 English 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 English Novel, 3 units
  - ENGL 4510 British Women Authors, 3 units
  - ENGL 4950 Special Studies in English Literature, 3 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 3430 American Literature: 20th Century to 1950, 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, 3 units
4. Select 15 units of upper-division English electives. The possibilities include, but are not limited to, world literature, creative writing, film, and linguistics. For example:
  - ENGL 3010 Creative Writing Workshop, 4 units
  - ENGL 3011 Introduction to Rhetoric: A Semester at the Institution, 4 units
  - ENGL 3500-3520 Studies in Film, 3-4 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 Script Writing, 3 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; **also**
- ENGL 4135 Dramatic Literature II, 3 units each
- ENGL 4925 Studies in World Literature, 3 units

*Note: Prospective postgraduate students in English should consult their English adviser concerning what 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 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, the TESOL Senior Seminar (3 units), and ENGL 4600 Tutorial Projects in English (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
  - b. ENGL 2200 American Literature to 1865, **or**  
ENGL 2210 American Literature after 1865
2. Select a minimum of 12 upper-division units in consultation with the minor adviser (12 units).

*Note: ENGL 3100 Literary Genres is a prerequisite to most upper division literature courses.*

## Liberal Studies Concentration

### 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 Applied Writing, 3 units, **or**
    - ENGL 3012 Applied Writing (Computer-Assisted Instruction), 4 units
    - ENGL 4620 Children's Literature, 3 units
  4. Select 6 units of upper division English upon advisement.
- Note: For a student preparing to take the multiple subjects credential, the following courses would be particularly appropriate for the concentration:*
- ENGL 3010 Creative Writing Workshop, 3 units
  - ENGL 3500-3520 Studies in Film, 3-4 units
  - ENGL 3750 Introduction to Linguistic Theory, 4 units

ENGL 3920 Masterpieces of World Literature, 3 units  
 ENGL 3930 World Literature in Translation, 2-5 units  
 ENGL 4300 Shakespeare, 3 units  
 ENGL 4600 Tutorial Projects in English, 3 units  
 ENGL 4615 TESOL Methods, 3 units  
 ENGL 4620 Children's Literature, 3 units  
 ENGL 4630 Adolescent Literature, 3 units  
 ENGL 4850 English Grammar, 3 units

## Liberal Studies Concentration in Teaching English to Speakers of Other Languages (TESOL)

### Requirements (22 units)

1. Demonstrate evidence of second or non-primary language preparation, 3 units
2. Complete the following courses (19 units)  
 COMM 3010 Language and Speech Development, 3 units  
 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  
 EDUC 4200 Teaching the Culturally Different, 3 units

### Certificate Program in TESOL

The certificate in TESOL is intended for graduates and undergraduates with majors or minors in English who wish to have minimum preparation to teach English to adult speakers of other languages. The TESOL Certificate is particularly appropriate for those who would teach English in postsecondary language institutes overseas. The TESOL Certificate program consists of six TESOL-related courses (19 units) and requires a minimum of six units of study in a foreign language (or demonstration of equivalent proficiency). Fluency in both written and spoken English is required of non-native English speakers. The certificate is not a California state teaching credential (Individuals seeking credentials to teach in California public schools should inquire 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 3750 Introduction to Linguistic Theory, 4 units  
 ENGL 4600 Tutorial Projects, 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), 3 units

## Teaching Credentials

### Single Subject Matter Preparation Program

Those applying for admission to the single subject matter preparation program at CSU Stanislaus and 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 Graduate Studies, 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); and (3) a concentration in teaching English to speakers of other languages (MA-TESOL). It is also possible to combine two concentrations.

### Prerequisites for Admission

1. For the MA-LIT and MA-RTW programs, a Bachelor of Arts degree normally with a major in English. For the MA-TESOL, a Bachelor of Arts degree in English is normally required. See the Admission section of the TESOL program for exceptions.
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. Applicants must submit scores for the GRE General Examination; a score of 500 on the Verbal Test is required for admission to any of the three concentrations.

### 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. Submit GRE English subtest scores. Students in the MA-LIT program must achieve a minimum score of 510 on the GRE Literature in English subtest.

### The Literature Program

In addition to the requirements listed on page 144 of the 1997-99 University Catalog, students electing the literature program must take ENGL 5000 Graduate Studies: Critical Theory and Research and complete at least 15 units of course work in literature courses (seminars, independent studies, and special studies courses) numbered ENGL 5000 through 5999.

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 further units of graduate course work.

Students who plan to teach at the college or university level are strongly advised to take ENGL 5001 History and Research Methods in Composition/Rhetoric.

## The Program with a Concentration in Rhetoric and the Teaching of Writing

The concentration in Rhetoric and the Teaching of Writing 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 concentration will provide a theory and research base for shaping a writing classroom and for further postgraduate work. This concentration 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 5850 Linguistics for Teachers, 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
- MA-RTW students must complete at least nine units which form a testable area for a comprehensive examination in literature. Students are encouraged to take ENGL 5000 Graduate Studies: Critical Theory and Research as one of those courses. Approved individual study courses (maximum 6 units) or approved upper-division undergraduate courses may be a part of the testable area.

## 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 Applied Writing, 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.

### Requirements

1. Complete the following prerequisites (4 units)  
ENGL 3750 Introduction to Linguistic Theory, 4 units
2. Complete the following courses (9 units)  
ENGL 5001 Research Methods: Composition/Rhetoric, 3 units  
ENGL 5870 Practicum: Writing and Teaching Composition, 3 units  
ENGL 5960 Advanced Projects, 3 units

3. Select elective courses from the following four categories (21 units)
  - a. ESL Theory (9 units)  
ENGL 4800 Second Language Acquisition, 3 units  
ENGL 4850 English Grammar, 3 units  
ENGL 4990 Senior Seminar (TESOL), 3 units  
ENGL 5800 Advanced TESOL Theory and Methodology, 3 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 (6 units from the following):  
ENGL 4600 Tutorial Projects in English, 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 adviser) including anthropology, geography, education, ethnic studies, history, international relations, and psychology.
  - d. Related courses - Humanities (3 units)  
Related courses (with written approval of adviser) 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

## The 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 Applied Writing (WP), 3 units
- ENGL 3012 Applied Writing (Computer-Assisted Instruction) (WP), 4 units
- ENGL 3100 Literary Genres (WP), 3 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 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. The course will emphasize the difference between good and bad arguments, as well as the distinction between significant and trivial positions on issues. Satisfies G.E. area A3. Prerequisites: 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 (3units).**

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: Junior standing and ENGL 1001 or 1002 and 2000 or equivalents. (Fall, Spring)

**ENGL 3009 Applied Writing (WP) (3 Units).**

A course designed for prospective and in-service teachers; deals with skills needed for good writing and the ways these skills are developed; emphasis on essay structure and development, conventional usage, and principles of essay evaluation. Satisfies upper division writing proficiency requirement. Prerequisite: Open only to Liberal Studies and English majors; and ENGL 1001 or 1002 and 2000 or equivalents. (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. Prerequisite: 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 3012 Applied Writing (Computer-Assisted Instruction) (WP), (4 units).**

A course for teachers and prospective teachers to develop or extend working philosophies of writing and of teaching writing through readings in writing theory and research. Includes practice in sophisticated questioning of texts as a means to improve one's 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 the upper-division writing proficiency requirement. Prerequisites: ENGL 1001 or 1002; ENGL 2000 or equivalents. For English and Liberal Studies majors.

**ENGL 3100 Literary Genres (WP) (3units).**

(Formerly *Critical Approaches to Literature*) An examination of the characteristics and techniques of prose fiction, poetry, and drama. Satisfies upper division writing proficiency requirement. Prerequisites: ENGL 1001 or 1002 or equivalent; ENGL 2100 or 2110; ENGL 2200 or 2210 or equivalents. (Fall, Spring)

**ENGL 3101 Critical Approaches to Literature (3units).**

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. (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*, *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 (3units).**

Literature of the period from about 1603 to 1660. Typical studies include works of Donne, Jonson, Marvell, Herbert, and/or others. Prerequisite: ENGL 3100.

**ENGL 3220 Eighteenth Century English Literature (3units).**

Literature of the period from 1660 to about 1780. Typical studies include examples of Restoration drama and works of Dryden, Pope, Swift, Johnson, Boswell, and/or others. Prerequisite: ENGL 3100.

**ENGL 3225 English Romantic Literature (3 units).**

Literature of the late eighteenth and early nineteenth centuries. Typical studies include works of Blake, Wordsworth, Coleridge, Byron, Keats, Shelley, and/or others. Prerequisite: ENGL 3100.

**ENGL 3230 English Victorian Literature (3 units).**

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 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. The course will include 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 (3units).**

(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 WMST 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 Script Writing (4 units).**

(Formerly *Writing Scripts and Stories*) Reading short scripts (plays and films) and the writing of plays or screenplays. May be repeated once for credit. Prerequisites: ENGL 3010 or equivalent and junior standing.

**ENGL 4012 Fiction Writing (4 units).**

Reading short fiction and writing short stories or a novella or chapters of a novel. 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 English Novel (3 units).**

The development of the English novel during the twentieth century with fluctuations between tradition and innovation. Typical readings include Bennett, Conrad, Joyce, Woolf, Forster, Bowen, 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 theaters. 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; may also 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 WMST 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 WMST 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 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. (Fall, Spring)

**ENGL 4610 Curriculum and Instruction: English (3units).**

Contemporary trends and problems in English education with emphasis on language arts curriculum development, selection and organization of materials, and procedures for the secondary and junior high school. Field observations and contact with local teachers.

**ENGL 4615 TESOL Methods (3 units).**

A course 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).**

A course 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).**

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 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 (3 units).**

Advanced study in English literature or language (TESOL). Course content may vary from term to term. Typical literature seminars will focus on a genre, period, or a single author. TESOL seminars will focus on second language acquisition and methodological issues. 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, beginning with Aristotle. 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).**

This seminar will focus upon 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).**

The 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).**

Focus is 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).**

This seminar will focus upon 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).**

This seminar will focus upon 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).**

This seminar will focus upon 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).**

This seminar will focus upon 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).**

This seminar will focus upon 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*) This seminar will focus upon 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).**

This seminar will focus upon 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).**

This course is 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 (3units).**

(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 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) **

# Environmental and Resource Studies

Office: Classroom Building 215  
(209) 667-3127

Coordinator: Ida I. Bowers (Geography)

Advisers: Kenneth Entin, Lawrence L. Giventer,  
Steven W. Hughes (Politics and Public  
Administration); Michael J. Perona  
(Chemistry); Walter Tordoff III,  
Daniel F. Williams (Biological Sciences)

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.

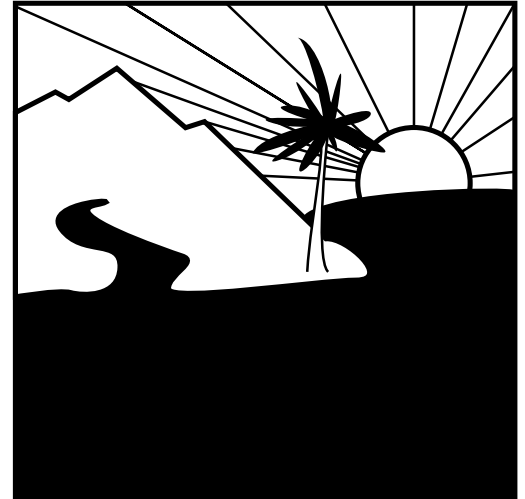
## Requirements (25 units minimum)

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 the Natural Environment, 3 units, **or**  
ECON 2510 Principles of Microeconomics, 3 units
2. Complete one of the following courses (3-4 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 are also advised to complete an introductory course in statistics.*

- a. **Natural Sciences** (6 units minimum)



*“The Environmental and Resource Studies minor complements any major, for we all must learn to live more sustainably and less destructively with the living environment.”*

—Dr. Ida Bowers,  
Professor of Geography

BIOL 2650 Environmental Biology, 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 Modern Social Issues,  
3 units  
GEOG 3020 Human Ecology, 3 units  
GEOG 4070 Agricultural Geography, 4 units  
GEOG 4301 Geography and Environmental Planning,  
3 units  
GEOG 4350 Urban Geography, 4 units  
MDIS 4400 Politics of the Environment, 3 units  
PSCI 3300 Introduction to Public Administration,  
3 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  
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

Office: Science Building 103  
(209) 667-3476

Coordinator: Walter Tordoff III

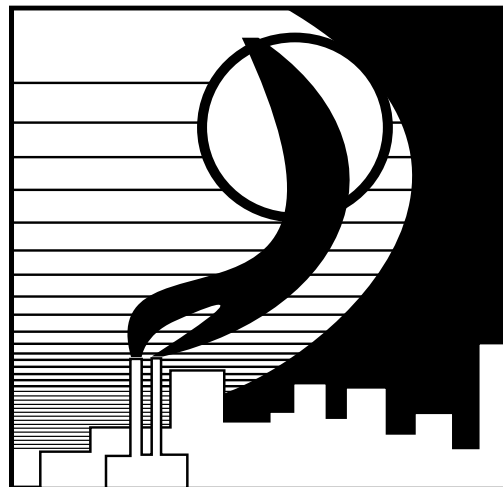
The concentration in environmental sciences acquaints students with environmental problems and research in the areas of biological sciences, chemistry, and physical sciences. Students will complete courses in each of these areas, participate in interdepartmental seminars, and become involved in the study 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 science, or physics. In addition, students must complete requirements for the environmental sciences concentration as outlined. Students majoring in physical science may combine the environmental science concentration requirements with major requirements to complete the physical science 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.*



### CAREER OPPORTUNITIES

**Research:** In both private and public sector, 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

\* Most of these units will double-count in the major.

# Ethnic Studies

Degree Minor and Concentration  
within the Liberal Studies Major



Sarohini Chahal, Liberal Studies Major/Ethnic Studies Minor

*“The true essence of  
humanity is to be  
colorblind.”*

—Sarohini Chahal, Student

## CAREER OPPORTUNITIES

Government, business, industry, teaching

Office: Classroom Building 118B  
(209) 667-3341

Chair: Richard L. Luevano

Faculty: Maria Linda Apodaca, Richard L.  
Luevano, Sari Miller-Antonio, Delo E.  
Washington, Kou Yang

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.

Courses with an asterisk \* are University of the Pacific courses that can apply toward both the CSU Stanislaus minors in Ethnic Studies and African American Studies as well as the concentration in Ethnic Studies.

**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
- \*BLKS 51 Introduction to Black Studies, 4 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 Media, 3 units
- ETHS 3110 Looking for America: Chicano Images in Art and Film, 3 units
- ETHS 3300 Hmong Cultural Experience in the United States, 3 units
- \*BLKS 146 Cultural Contributions of African Americans, 4 units

**Category III**

A detailed study of the historical background of minority groups in America.

- HIST 3510 Latin America in Colonial Times, 3 units
- HIST 3520 Latin American States Since Independence, 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 4200 Cultural Diversity and the Classroom, 3 units
- 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 4100 Chicanos in Education, 3 units
- ETHS 4110 Asian Americans in Education, 3 units

- \*BLKS 97 Prejudice and Racism, 4 units
- \*BLKS 142 Implementation for Social Change, 4 units
- \*BLKS 164 Ghetto Life, 4 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 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

1. 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.
2. Up to five students from the CSU Stanislaus campus may enroll in each of the UOP classes indicated with the asterisk\*.

**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

### Requirements (20 units)

**Lower Division**, 3 units (one course) selected from Category I  
**Upper Division**, 17 units as approved by the major adviser to

include:

6-11 units of course work from Categories II-IV

6-11 units of course work from Category V

## 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.

#### ***\*BLKS 51 Introduction to Black Studies (4 units).***

A survey course exploring the origin and development of Black Studies in higher education. Addresses the philosophy and relevant historical, political, economic, and social information that is unique to this academic discipline.

#### ***\*BLKS 97 Prejudice and Racism (4 units).***

An examination of the development and perpetuation of prejudice and racism in individuals, social groups and societies.

### 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 3200 Gender Roles in the Chicano Community (3 units).***

(Formerly *Chicanas in Society and Culture*) (Same as WMST 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 3300 Hmong Cultural Experience in the United States (3 units).***

This course 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 WMST 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 WMST 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 WMST 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).***

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).**

This course 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 20th 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).**

This course 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 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 4300 Chicano Student Organization (2 units).**

Study of the sociological and political development of Chicano student organizations in California higher educational systems with emphasis on the problems of social alienation, student politics, academic achievement, etc. Prerequisite: ETHS 2100.

**ETHS 4350 Multiculturalism: From Bias to Reality (3units).**

(Same as WMST 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 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. 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 (4 units).**

Work in ethnic relations is arranged to be performed in a community, an institution, or an agency setting. Efforts will be made to bridge a gap between the intellectual pursuit of knowledge and its practical application in intergroup contacts. May be repeated for a total of 8 units. Prerequisite: Consent of instructor.

**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.

**\*BLKS 142 Implementations for Social Change (4units).**

A course designed to examine the rationale and strategies for social change within an environment that has been socially, psychologically, and economically oppressive for African Americans.

**\*BLKS 146 Cultural Contributions of African Americans (4 units).**

An analysis and exploration of the cultural contributions of African Americans to American Society.

**\*BLKS 164 Ghetto Life (4 units).**

The psychological, social, economic, religious, and educational urban "ghetto experiences" of African Americans. 

# Geography



Marianne Jacobson, Geography Major

*“Our world is experiencing tremendous changes socially, politically, culturally, economically, and environmentally, while increasing in knowledge at an exponential rate. Geography draws from all the other sciences and greatly enhances one’s knowledge of the evolving patterns and interrelationships of these many changes.”*

—Marianne Jacobson, student

## CAREER OPPORTUNITIES

Opportunities for students with a degree in geography include careers in city or regional planning, land use 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.

**Office:** Classroom Building 215  
(209) 667-3127

**Coordinator:** Ida I. Bowers

**Faculty:** Ida I. Bowers, Eric T. Karlstrom,  
Leon S. Pitman, Michael J. Schmandt

**Emeritus**

**Faculty:** Melvin H. Aamodt

The Department of Anthropology/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 Science major. In addition, Geography offers courses for the minor in Environmental and Resource 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/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/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 Institute for International Studies located in the Classroom Building, then discuss the possibilities with a departmental adviser.

## 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 the Natural Environment, 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:** Completion of MDIS 2000, Library Resources, 2 units, is recommended but not required.

**Note:** Students are expected to take additional courses in supporting fields that relate to their career interests. See adviser for further information.

## The Major (36 units minimum)

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 3510 Geography of North America, 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, 4 units

*Note: With prior approval, certain other regional geography courses may be substituted for the courses listed above. See your adviser.*

- d. Methodology (6 units minimum)  
Complete two of the following courses:
  - GEOG 3700 Cartography, 3 units
  - GEOG 4700 Geographical Processes in Arid Landscapes: Death Valley, 4 units
  - GEOG 4710 Field Methods, 3 units
  - GEOG 4750 Geographic Information Systems, 3 units

*Note: In the event that GEOG 4700 or 4710 is not available, see your adviser regarding a senior thesis option.*

- e. Upper-division Electives  
Select electives to complete a total of at least 36 units, including those upper-division units listed above.

## Applied Geography Concentration (18 units)

This concentration is designed to provide a core of geography courses which have a practical application in careers in computer mapping, city planning, public administration, or resource management.

1. Complete the prerequisites to the major.
2. Complete the following required methodology courses:
  - GEOG 3700 Cartography, 3 units
  - GEOG 3751 Introduction to Computer Applications in Geography, 3 units
  - GEOG 4301 Geography and Environmental Planning, 3 units
  - GEOG 4710 Field Methods, 3 units
3. Complete a minimum of 6 units from the following applied courses:
  - GEOG 4700 Geographical Processes in Arid Landscapes: Death Valley, 4 units
  - GEOG 4730 Computer Applications in Geography, 1-3 units
  - GEOG 4750 Geographic Information Systems, 3 units
  - GEOG 4930 Planning Issues, 1-2 units

4. Complete the following as per advisement:
  - a. Six units of Physical Geography
  - b. Three units of Regional Geography
  - c. Six units of Human Geography
  - d. Upper Division Geography Electives

## The Minor

### Requirements (18 units)

Complete 18 semester units approved by the minor adviser, including at least 15 units in upper-division courses. These upper-division units must include a minimum of one course from each of the following three categories:

1. Human Geography
2. Physical Geography
3. Regional Geography

*Note: See the department for further information.*

### Liberal Studies Concentration

Liberal Studies majors who wish to take their concentration in geography are to complete a minimum of 20 units, including at least 15 units of upper-division courses.

### Requirements (20 units)

1. Complete two of the following courses (6 units):
  - GEOG 2010 Introduction to the Natural Environment, 3 units
  - GEOG 2400 World Regional Geography I, 3 units
  - GEOG 2410 World Regional Geography II, 3 units
2. Complete the following courses (6 units):
  - GEOG 3010 Cultural Geography, 3 units
  - GEOG 3020 Human Ecology, 3 units
3. Complete the following regional course (3 units):
  - GEOG 3510 Geography of North America, 3 units
4. Complete additional units in geography (5 units), based on interest and career goals.

### 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 "School 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 the Natural Environment (3 units).***

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 (3units).***

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. area 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 the spatial variety and patterns in human cultures and an analysis of the processes of cultural change. Topics include agriculture, land use, religion, migrations, ethnic minorities, and language. 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 (3units).***

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 3340 California Cultures and Environments (3units).***

Course considers California's diverse natural regions and patterns in which these environments were occupied successively by native Americans, Hispanics, and later Americans. Studies modern California life, including the role and contributions of ethnic minorities, as well as demographic and environmental issues. Satisfies G.E. area F3. (Fall)

#### ***GEOG 3350 Geography of the Great Central Valley (3 units).***

This course 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).***

A survey of natural and cultural factors responsible for present patterns in settlement and land use in the United States and Canada; topics discussed include agriculture, industry, transportation, and urbanization. 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 3570 Geography of Russia and East Europe (3units).***

A survey of the physical geography, resources, agriculture, industry, people, potential, and problems of Russia and the East European countries. Prerequisite: Junior standing or consent of instructor.

#### ***GEOG 3580 Cultural Ecology of Southeast Asian Peoples (4 units).***

(Replaces GEOG 3590) This course 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 map reading and cartographic portrayal including map design, compilation, 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).***

Course 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, Summer)

**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, Summer)

**GEOG 3960 The Yosemite Region (1 unit).**

Course consists of 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 4070 Agricultural Geography (4 units).**

(Formerly GEOG 3070) Course 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 4301 Geography and Environmental Planning (3 units).**

A survey of the linkages between geography and planning; topics may include emphasis on planning needs of non-urban regions; provisions of human services; maps as planning tools; despoliation and preservation of rural areas. Prerequisite: Junior standing 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. Prerequisite: 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. Course 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 (3units).***

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).***

This course is 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) (1-5units).***

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 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).***

The course 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).***

This course is 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 (1-5units).***

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

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(209) 667-3466

Coordinator: Mario (Marty) J. Giaramita

E-mail: [geology@science.csustan.edu](mailto:geology@science.csustan.edu)

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Faculty: Mario J. Giaramita, Abbas Kimyai

Emeritus

Faculty: Vladimir S. Tuman

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 serves as professional preparation for employment in fields such as geologic planning specialist, environmentalist, and park naturalist. The program is designed to provide the kind of comprehensive background required for students who wish to seek additional training in graduate and/or professional schools.

Students interested in a single subject credential in the sciences with a concentration in Geoscience should see the Teaching Credential section of Geology for more information.



Laura Rowan, Senior Geology Major

*“Geology is earthquakes,  
volcanoes, dinosaurs,  
and meteor impacts. It’s  
what all the great  
disaster films are  
about!”*

— Laura Rowan, Student

#### CAREER OPPORTUNITIES

*Environmental geologist, geologist  
for mining company, national parks,  
oil companies, state geological  
surveys or U. S. Geological Survey,  
hydrogeological consultant,  
engineering geologist, geophysicist,  
geochemist, volcanologist*

## 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
  - 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. Select a 12-unit option in Geology or Petroleum Geology/Geophysical Exploration. The Bachelor of Science degree in Geology requires 26 units of upper-division units and completion of a 12-unit option.
4. Complete the major of not less than 38 upper-division units as specified for the Bachelor of Science degree.
5. Completion of a minor is not required.

### The Major (38 units)

1. Complete the following required courses (26 units):
  - GEOL 3300 Paleontology, 4 units
  - GEOL 3400 Plate Tectonics, 4 units
  - GEOL 4300 Minerals and Crystals, 3 units
  - GEOL 4360 Structural Geology, 4 units
  - GEOL 4380 Sedimentary Rocks, 4 units
  - GEOL 4390 Stratigraphy, 3 units
  - GEOL 4500 Field Geology, 4 units
2. Select 12 units from either option a **or** b. Substitution of science or mathematics courses is permitted by approval of adviser.
  - a. *Geology Option*
    - GEOL 3000 Physical and Environmental Geology, 4 units
    - GEOL 3100 Earth Science I, 3 units
    - GEOL 3110 Earth Science II, 3 units
    - GEOL 3500 Earthquakes and Volcanoes, 3 units
    - GEOL 3700 Igneous and Metamorphic Petrology, 4 units
    - GEOL 3800 Optical Mineralogy, 3 units
    - GEOL 3810 Hydrogeology, 3 units
    - GEOL 3900 Soil Geology, 3 units
    - GEOL 4350 Geophysical Explorations, 3 units
    - GEOL 4351 Advanced Seismic Interpretation, 3 units
    - GEOL 4600 Geology of Petroleum, 3 units
    - GEOL 4800 Advanced Theory of Hydrogeology, 4 units
    - GEOL 4810 Water Resources Development and Management, 4 units
    - GEOG 4120 Geomorphology, 3 units

- b. *Petroleum Geology/Geophysical Explorations Option*
  - GEOL 4350 Geophysical Explorations, 3 units
  - GEOL 4351 Advanced Seismic Interpretation, 3 units
  - GEOL 4600 Geology of Petroleum, 3 units
  - Geology elective, 3 units

## Petroleum Geology/Exploration Geophysics Concentration

### Requirements (24 units)

1. Complete the following courses (13 units):
  - GEOL 3100 Earth Science I, 3 units
  - GEOL 3400 Plate Tectonics, 4 units
  - GEOL 4350 Geophysical Explorations, 3 units
  - GEOL 4600 Geology of Petroleum, 3 units
2. Complete 11 elective units from the following courses or other electives in consultation with your adviser:
  - GEOL 3000 Physical and Environmental Geology, 4 units
  - GEOL 3110 Earth Science II, 3 units
  - GEOG 3700 Cartography, 3 units
  - GEOG 4120 Geomorphology, 3 units
  - GEOL 4300 Minerals and Crystals, 3 units
  - GEOL 4351 Advanced Seismic Interpretation, 3 units
  - GEOL 4360 Structural Geology, 4 units
  - GEOL 4380 Sedimentary Rocks, 4 units
  - GEOL 4390 Stratigraphy, 3 units
  - GEOL 4500 Field Geology, 4 units

## The Minor

### Requirements (18 units)

1. Select three to ten units from the following lower-division courses:
    - GEOL 2001 Regional Geology of California, 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.

## 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 2001 Regional Geology of California (3 units).** Survey of rocks, minerals, ages of geological formations and plate tectonics—continental drift, followed by field studies of the geology of the great valley, or coastal ranges, or the Sierra Nevada mountains. This course may be repeated for a total of 6 units, but only 3 units are applicable to General Education: Great Valley, 3 units; Coastal Ranges, 3 units; Sierra Nevada Mountains, 3 units. Satisfies G.E. area B1, Corequisite: GEOL 2002. (Lecture, 2 hours; laboratory, 3 hours, including some 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 Lab (1 unit).**

Laboratory to accompany GEOL 2100 Principles of Geology. Classification of minerals and rocks; reading and interpreting topographic and geologic maps; studies of selected problems in plate tectonics, structural geology, ground water, mass movement, etc. Satisfies G.E. area B1. Prerequisite: GEOL 2100 or concurrent enrollment in GEOL 2100. Optional for non-majors. (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)

**Upper Division****GEOL 3000 Physical and Environmental Geology (4units).**

Interaction of man with the geological environment. Geological weathering and soil formation; soil geology and soil erosion; world mineral resources; waste disposal; air and water pollution; energy resources. Satisfies G.E. area F1. Corequisite: GEOL 3002. (Lecture, 3 hours; laboratory or field work, 3 hours) (Fall, Spring)

**GEOL 3100 Earth Science I (3 units).**

Study of physical properties of rocks, earth's internal structure, seismic techniques of earthquakes, gravity, and magnetic properties of the earth. Prerequisites: GEOL 2100 and GEOL 2102 or consent of instructor. (Lecture, 3 hours)

**GEOL 3110 Earth Science II (3 units).**

Continuation of GEOL 3100. Prerequisite: GEOL 3100.

**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 tectonic 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 3650 Geohazards: The Geological Science of Natural Disasters (3 units).**

This course will examine the scientific method and apply 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.

**GEOL 3700 Igneous and Metamorphic Petrology (4units).**

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 California Field Excursions (2 units).**

Provides students with directed field experiences, involving long weekend or vacation travel to, and study of, geologically significant areas such as Mono Lake, Lassen/Shasta volcanoes, Death Valley, San Andreas fault, and others. Course may be repeated to different destinations. Corequisite: GEOL 4003. Prerequisites: GEOL 2100 and upper-division standing or consent of instructor. (Lecture, 1 hour; activity, 2 hours).

**GEOL 4300 Minerals and Crystals (3 units).**

Study and classification of crystals, physical properties of crystals with their chemical composition, property of light, and optical properties of minerals under polarized light. Corequisite: GEOL 4302. Prerequisites: GEOL 2100 and GEOL 2102 or consent of instructor. (Lecture, 2 hours; laboratory, 3 hours) (Fall, alternate years)

**GEOL 4350 Geophysical Explorations (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 4351 Advanced Seismic Interpretation (3units).**

The course will contain (a) the study of wave propagation in layered media; correction for weathered layers; (b) determination of wave velocity in different layers; (c) utilization of experimental data to determine the possible structure of the petroleum reservoirs. Prerequisite: GEOL 4350. (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 (4 units).**

The origin, dispersal, deposition, and burial of natural sediment grains. Sedimentology is approached from two viewpoints: a descriptive approach through traditional petrography and facies analysis, and a quantitative approach through physical and chemical sciences. Prerequisites: GEOL 2100 and GEOL 2102. (Lecture, 3 hours; discussion, 1 hour) (Fall, alternate 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 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: WPST test; GEOL 2100 and GEOL 2102 or consent of instructor. (Lecture, 2 hours; laboratory or field work, 6 hours) (Spring, alternate years)

**GEOL 4600 Geology of Petroleum (3 units).**

The origin of petroleum; hydrocarbon, its formation and migration into reservoir rocks will be discussed with emphasis on the types of oil fields. Prerequisites: GEOL 2100 and GEOL 2102. (Lecture, 3 hours)

**GEOL 4800 Advanced Theory of Hydrogeology (4units).**

This course deals in detail with hydrodynamics of fluid flow through porous media. Detailed analysis of fluid flow as a function of space and time in the cylindrical coordinates. This course is an integral part of hydrology dealing with water supplies in aquifers and water pollution. Prerequisites: 1 year physics: PHYS 2100 and 2110 or PHYS 2250 and 2260 and 1 year mathematics: MATH 1410 and 1420 or MATH 1910 and 1920 or consent of instructor. (Lecture, 3 hours; discussion, 1 hour)

**GEOL 4810 Water Resources Development and Management (4 units).**

Appraisal of water-resource developments from the standpoints of hydrogeology and desirable public policy; need for a national water policy to prevent waste, reduce pollution, control floods, recharge aquifers, and promote activities. Prerequisites: GEOL 2100 and GEOL 2102. (Lecture, 3 hours; laboratory, 3 hours)

**GEOL 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 8 units depending upon departmental policy. Prerequisites: Sophomore standing; consent of departmental coordinator. (Fall, Spring)

**GEOL 4940 Geology Internship (1-3 units).**

This course is 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).**

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

Office: Classroom Building 213  
(209) 667-3408

Coordinator: Walter E. Doraz

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 3000 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 3000 Introduction to Gerontology (3 units).**

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: Consent of instructor.



Catherine Cantu, Sociology Major

*“I look forward to graduating from CSU Stanislaus and performing social work with the elderly where I can make a difference in people’s lives.”*

—Catherine Cantu, Student

### 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*

# History



Clayton Wyse, Senior History Major

*“The learning experience requires a willingness to walk in the dark.”*

—Clayton Wyse, Student

## **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)*

**Office:** Classroom Building 118  
(209) 667-3238

**Chair:** Austin Metumara Ahanotu

**Faculty:** Austin Metumara Ahanotu, Bret E. Carroll, David K. Keymer (Adjunct Professor), Samuel A. Oppenheim, Samuel O. Regalado, Nancy J. Taniguchi, Ronald J. VanderMolen, Richard C. Weikart

**Emeritus Faculty:** John E. Caswell, Britten Dean, Curtis R. Grant, John P. Rasmussen, J. W. Smurr, David Bentheim Stenzel

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 subjects 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 elsewhere in 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: MDIS 2000 and SSCI 3000 also satisfy 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 American history from the following list (3 units):
  - HIST 3610 Colonial America, 3 units
  - HIST 3620 Early National America, 3 units
  - HIST 3630 America after the Civil War, 3 units
  - HIST 3640 Contemporary America, 3 units
3. Complete two upper-division courses in non-Western history from the following list (6 units):
  - HIST 3510 Latin America in Colonial Times, 3 units\*
  - HIST 3520 Latin America States Since Independence, 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. Select one of the following courses (4 units):
    - HIST 4960 Directed Reading Seminar, 4 units
    - HIST 4990 Senior Thesis, 4 units
  5. Complete sufficient electives to equal at least 30 upper-division units in history.

## Minor in History

### Requirements (18 units)

Complete 18 units in history, of which 12 units must be upper-division history courses. All but Winter Term courses are to be taken for a letter grade.

Select courses for the degree minor in history in consultation with and approval of the minor adviser.

## Liberal Studies Concentration in History

### Requirements (20 units)

Upon advisement, complete 20 units from both Western (American and European) and non-Western courses, in approximately equal amounts. At least 15 units must be upper division.

## Teaching Credentials

Students interested in teaching history at the secondary level should consider the single subject credential program in History and the Social Sciences, as described elsewhere in this catalog. History majors may add sufficient social science courses to complete this waiver program.

## Master of Arts Degree 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 may specialize in American or modern European history. Students who plan to go on to study for the Ph.D. are advised to learn two foreign languages and complete a Master's Thesis.
2. **Master of Arts:** Secondary School Teachers Concentration This program is designed for persons with junior or senior high school teaching credentials and is considered a terminal degree.
3. **Master of Arts:** International Relations

### Concentration

This program is of particular interest to those in professional military careers, those wishing to supplement their professional training in certain civil service careers, and those desiring an interdisciplinary background for teaching.

## Prerequisites for Admission

### All Programs

1. A grade point average of 3.0 in the undergraduate major and in all subsequent course work. Since the experience of applicants is considered toward admission to the Secondary School Teachers and the International Relations Concentrations, students applying to those programs who lack the 3.0 grade point average may petition for admission with conditionally classified status.
2. Satisfactory performance on the Graduate Record Examination, General Test #1.

### Master of Arts

Complete prerequisites for admission to all programs listed above, as well as the following:

1. Twenty-four units of upper-division history, including a senior thesis or equivalent.
2. Satisfactory performance in the history section of the Graduate Record Examination.
3. Reading knowledge of an appropriate foreign language or 9 units of 4000- and 5000-level course work in other departments, preapproved by the Graduate Committee.

### Secondary School Teachers Concentration

Complete prerequisites for admission to all programs listed above, and have the following:

1. A valid California single subject teaching credential or a teaching minor in Social Sciences, History, or Government.
2. Adequate academic background as evaluated by the Graduate Committee.

### International Relations Concentration

Complete prerequisites for admission to all programs listed above, and demonstrate adequate academic background, informal preparation, and/or job-related experience, as evaluated by the History/International Relations Graduate Committee.

### Requirements for the Degree

Each student will be assigned an adviser immediately upon acceptance. The student and adviser will develop a program adapted to the student's specific goals. After the student completes a minimum of 10 units and is promoted to "candidate for the degree," an examining committee will be appointed for the candidate.

### All Programs

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 are to be taken after admission to classified graduate standing.
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 an appropriate paper or equivalent exercise beyond that required of undergraduates.
5. Each student's record will be reviewed after completing 10 units, and periodically thereafter, by the appropriate graduate committee. The student must maintain satisfactory progress.

6. A student not doing a thesis must submit at least two substantial papers through the adviser to be read by the examining committee.
7. A comprehensive written examination is required of all candidates and will cover all work taken in the program. In addition, an oral examination may be required at the discretion of the examining committee.
8. In the papers and examination, the student is expected to demonstrate knowledge of subject matter, including working knowledge of the seminal works in the field, and competence in the following three skills: ability to perform research operations, analytical skills, and literary skills.

### Master of Arts

Complete all of the requirements for all programs listed above, as well as the following:

1. At least 15 graduate units from the following:  
HIST 5910 Graduate Studies-American, **and/or**  
HIST 5920 Graduate Studies-European (two four-unit sections required, 8 units)  
HIST 5930 History of Historical Writing (required), 4 units  
HIST 5950 Selected Topics offered during Winter Term, 2-4 units  
HIST 5980 Individual Study, 1-4 units  
HIST 5990 Thesis, 3-6 units
2. Additional units to complete a minimum of 30 units selected from the 4000- and 5000-level courses listed in the catalog, except for HIST 4970, 4980, and 4990, for which parallel graduate numbers exist.

### Secondary School Teachers Concentration

Complete all of the requirements for all programs listed above, as well as the following:

1. At least 15 graduate units from the following:  
HIST 5910 Graduate Studies-American **or**  
HIST 5920 Graduate Studies-European (one section required; 4 units)  
HIST 5930 History of Historical Writing (required), 4 units  
HIST 5980 Individual Study, 1-4 units  
HIST 5990 Thesis, 3-6 units
2. Additional units to complete a minimum of 30 units selected from the 4000- and 5000-level courses listed in the catalog, except for HIST 4970 and 4980. Up to nine units of appropriate course work in a field other than History may be selected from senior and graduate courses in other departments, provided the student has completed the specified prerequisites.

### International Relations Concentration

Complete all of the requirements for all programs listed above, as well as the following:

1. At least 15 graduate units from the following:  
HIST 5000 International Relations Seminar (required), 4 units  
HIST 5910 Graduate Studies-American (may be repeated), 4 units  
HIST 5920 Graduate Studies-European (may be repeated), 4 units  
HIST 5930 History of Historical Writing (required), 4 units  
HIST 5950 Selected Topics in History (may be repeated), 4 units  
HIST 5980 Individual Study, 1-4 units  
HIST 5990 Thesis (optional), 3-6 units

2. Additional units to complete a minimum of 30 units selected as follows:
- Up to six units of appropriate postgraduate work from other institutions of higher learning may apply toward this requirement.
  - A 5000-level course listed above, or appropriate winter term courses.
  - Any of the following courses, or others as offered:
    - 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 4360 British Culture, 1603 to the Present, 3 units
    - HIST 4430 Twentieth-Century Russia, 3 units
    - HIST 4600 American 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
    - HIST 4960 Directed Reading Seminar in History, 4 units

## 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. (Fall)

#### ***HIST 1020 World Civilizations II (3 units).***

Continuation of HIST 1010. The world since approximately 1600. Satisfies G.E. areas D2 and G. (Fall, 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. (Fall, Spring)

#### ***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, 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. (Fall, Spring)

### Upper Division

#### ***HIST 3000 Introductory Seminar in History (WP) (3units).***

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: 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. (Fall)

#### ***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 (3units).***

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. (Fall)

#### ***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. (Fall)

#### ***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 Latin America in Colonial Times (3 units).***

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 Latin American States Since Independence (3 units).***

From the struggle for independence to the mid-twentieth century. Prerequisite: One year of college-level history or consent of instructor. (Spring)

***HIST 3610 Colonial America (3 units).***

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 America (3 units).***

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. (Fall, Spring)

***HIST 3630 America After the Civil War (3 units).***

United States, 1865-1932. Reconstruction through the 1920s to the presidential election of 1932; development of a complex urban-industrial society; coming of world power. Satisfies G.E. area D1. Prerequisite: One year of college-level history or consent of instructor. (Fall)

***HIST 3640 Contemporary America (3 units).***

United States since 1932. Depression era 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 Women in American History (3 units).***

(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 America's Ethnic and Immigrant Past Since 1865 (3 units).***

(Formerly *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. (Fall)

***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. (Spring)

***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. (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. (Winter)

***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. (Fall, Spring)

***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 nurtured (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. (Spring)

**HIST 4310 Judaism and Jewish History: A Survey (3units).**

(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. (Fall)

**HIST 4330 Modern France (3 units).**

Development of the French nation with emphasis on the period since 1870. 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. (Fall)

**HIST 4341 Hitler and the Nazi Era (3 units).**

This course 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.

**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. (Fall)

**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. (Spring)

**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. 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. (Fall, Spring)

**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 (3units).**

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 American Diplomatic History (3 units).**

U.S. foreign relations from the colonial period to the present. Prerequisite: One year of college-level history or consent of instructor.

**HIST 4630 American Legal History (3 units).**

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 American Religious History (3 units).**

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 The American Mind (3 units).**

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. (Fall)

**HIST 4690 Sport in America Since the Civil War (3units).**

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).**

This course 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. (Spring)

**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. (Fall)

**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 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, although no more than 3 may count as elective units in the 30-unit upper division History BA degree program. Prerequisites: A one-year sequence in history, consent of the coordinator, and junior or senior standing.

**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 Directed Reading Seminar in History (WP) (4units).**

Reading on a theme or period of the student's choice. Satisfies upper division writing proficiency requirement. Prerequisite: Senior standing 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. (Fall, Winter, Spring)

**HIST 4990 Senior Thesis (WP) (4 units).**

Methodology of history. Research techniques applied to investigation of original source material. May be repeated for a maximum of 8 units. Satisfies upper division writing proficiency requirement. Prerequisite: Senior standing or consent of instructor. (Fall, 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. 

# University Honors Program

## Honors 2000

Office: Library Building 105  
(209) 667-3351

Interim Director: Mary Cullinan

E-mail: MCullinan@stan.csustan.edu

Staff: Carol Jorritsma  
CJorritsma@stan.csustan.edu

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

For students of unusual curiosity, energy, and academic capability, the University provides an Honors Program. In the past, the heart of the Honors Program was an alternative General Education curriculum made up of a series of interdisciplinary seminars and sections of regular classes.

The Honors Program is now being redesigned and updated. Called Honors 2000, the new program is slated to begin in Fall 2000. Honors 2000 students will participate in high-level course work that helps them develop skills in information competence, research, critical thinking, academic writing, and other areas central to their individual major or discipline and enables them to participate in co-curricular activities that enrich and augment their academic experience and the life of the whole campus.

The new program will help students develop academic skills at a high level and delve into areas of inquiry within and beyond their major or discipline. Honors 2000 will give students an opportunity to participate in a community of faculty and students focused on an array of critical issues, and to work with individual faculty members who will serve as mentors and guides.

We are still planning the curriculum of Honors 2000. However, we are committed to the program being accessible and of interest to students in all majors, to transfer students as well as to entering freshmen, and to students of varying ages and levels of experience.

Founded on the values of academic excellence and our commitment to students working with faculty and with each other to explore and share ideas, Honors 2000 will be a centerpiece of the CSU Stanislaus' community of scholars.

If you would like more information about the new program, please call the Office of the Dean, College of Arts, Letters, and Sciences (209-667-3531).



Alysia Hawkins, Biological Sciences Major

*“Honors 2000 will offer exciting opportunities to enrich students’ college experience and challenge them to grow within a supportive community.”*

—Alysia Hawkins, Honors Student

## Course Descriptions

### ***HONS 1960 Honors Seminar I: Issues and Advocacy (1 or 3 units)***

A series of interactive discussions with faculty from different disciplines. Focused on a significant social problem or issue and different disciplinary approaches to this topic. Open to all students but may be of particular interest to students interested in applying for Honors 2000.

### ***HONS 3965 Honors Seminar II: Science, Technology and Human Values (3 units)***

A series of interactive discussions with faculty from different disciplines. Focused on social and ethical issues and dilemmas related to science and technology. Open to all students but may be of particular interest to students interested in applying for Honors 2000.

### ***HONS 4966 Honors Lecture Series (3 units).***

A series of lectures treating issues of contemporary concern and the relationships between disciplinary approaches to these topics. May be repeated for a total of 12 units. Required of all Honors Program members as a capstone course following Honors Research. Prerequisite: Admission to membership in the Honors Program.

### ***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 4995 Honors Research (3 units).***

Directed research resulting in a project which describes methodology and results. Prerequisite: Admission to membership in the Honors Program.

# Humanities



Raquel Roby, Criminal Justice Major

*“Humanities is human experience. In order for one to enjoy it, one must experience it, whether it is art, drama, music, or literature.”*

—Raquel Roby, Student

Office: Library Bldg 195  
(209) 667-3361

Coordinator: Lola V. Johnson  
Professor of English and Humanities

Administered by the Department of English, “Humanities” courses are taught 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, drama, literature, music, and philosophy.

## 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).***

Explorations 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 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)



# Interpersonal Studies

## Interdisciplinary Minor

Office: Demergasso-Bava Hall 125  
(209) 667-3371

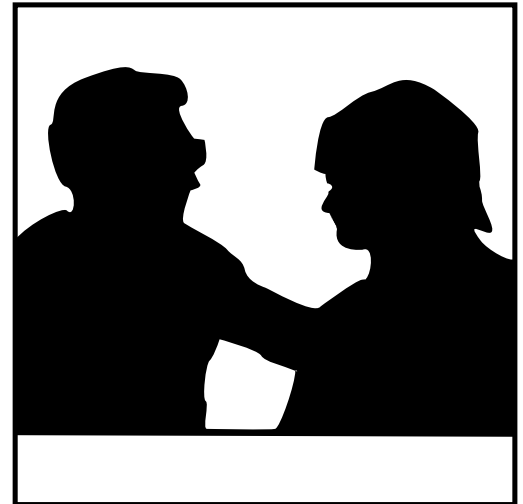
Coordinators: Fred P. Hilpert and  
Sheryl Lindsley  
Professors of Communication Studies

The Interpersonal Studies minor provides a course of study focused around human behavior in social systems such as the family, work group, or social relationship. The core program provides an understanding of the cultural, social, and psychological bases of the dyad and small group and introduces the student to the theoretical and empirical approaches to the field. Electives are designed to provide depth and specialization in areas related to each student's major discipline.

A minor in interpersonal studies will be especially valuable to students interested in understanding how social factors influence individual or organizational behavior. Among the professional areas which draw most heavily on interpersonal expertise are counseling, human resource development, human services, management, organizational communication, and educational psychology.

### Requirements (18 units)

1. Complete the following required courses as listed below (9 units):
  - a. Foundations of Interpersonal Behavior (3 units)  
COMM 3100 Advanced Interpersonal Communication, 3 units, or  
PSYC 3310 Introduction to Social Psychology, 3 units,
  - b. The Dyad (3 units)  
COMM 4050 New Rules for Social Relationships, 3 units, or  
PSYC 4810 Social Psychology of Personal Relationships, 3 units
  - c. The Small Group (3 units)  
COMM 4100 Group Communication, 3 units, or  
SOCL 4020 Sociology of Small Group Dynamics, 3 units, or  
PSYC 4820 Group Dynamics and Interpersonal Behavior, 3 units
2. Select three elective courses from the list below or from Winter Term courses on advisement of an Interpersonal Studies program coordinator (9 units):  
ANTH 4165 The Family in Cross-Cultural Perspective, 3 units  
COMM 4060 Family Communication, 3 units  
COMM 4120 Advanced Persuasion and Social Influence, 3 units  
COMM 4150 Nonverbal Communication, 3 units  
COMM 4160 Intercultural Communication, 3 units  
PSYC 3320 Introduction to Personality, 3 units  
PSYC 3790 Introduction to Counseling Theory, 3 units  
SOCL 3150 The Family, 3 units  
SOCL 4520 Personality and Society, 3 units



*The Interpersonal Studies minor provides a course of study focused around human behavior in social systems.*

# Journalism

## Degree Minor



Jeannie Pacheco, Organizational Communications Major

*The Journalism degree minor is designed to provide an academic background in aspects of mass communication applicable to work in the public media.*

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.*

Office: Demergasso-Bava Hall 125  
(209) 667-3371

Director: John R. Sumser, Professor of  
Communication Studies

## Course Descriptions

### Lower Division

#### **JOUR 2150 Newswriting (3 units).**

A basic newswriting course for beginning journalists: reporting techniques, interviewing, introduction to communication theory, interpretive and investigative writing. (CAN JOUR 2) (Fall, Spring)

### 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 three times. Prerequisites: JOUR 2150 or equivalent, and typing. (Fall, Spring)

#### **JOUR 3020 News Editing and Copy Preparation (2units).**

This class will address various issues involved in news editing and copy preparation. Specific emphasis on decisions involving copy-editing, layout, paste-up, and proofreading. Prerequisite: JOUR 2150. (Spring)

#### **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).**

An examination of the nature and variety of responses to value questions concerning communication, including a survey of the evolution of and current controversies in freedom of speech and press. Constitutional foundations, legal precedents, and pending cases as they bear on the people's right-to-know, the right to privacy, the right to speech and assembly, and the right of a free press will be considered. Attention also to regulation of broadcasting. (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).**

This is 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).**

This course is 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

Office: Classroom Building 237B  
(209) 667-3037

Director: Julia G. Cruz

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 as well as their collaborative participation in the annual colloquium series open to students, faculty, and the community at large. The minor is useful to students planning careers in education, business, U.S. foreign policies affecting both the public and the private sectors; the foreign service; and other international organizations as well as for those who simply desire a better understanding of Latin America.

### Requirements (20 units)

- 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
- Complete a minimum of one course each from areas **a** and **b** below (6-7 units):
  - HIST 3510 Latin America in Colonial Times, 3 units  
SPAN 3300 Literature and Civilization of Spanish America I, 3 units
  - HIST 3520 Latin American States Since Independence, 3 units  
PSCI 3410 Comparative Politics: Latin America, 4 units  
SPAN 3310 Literature and Civilization of Spanish America II, 3 units
- 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
  - 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. ▶*



Jennifer Runner, Spanish Major/Latin American Studies Minor

*“An old Incan saying:  
‘When the Eagle of the  
North flies with the  
Condor of the South, the  
earth will be whole.’ Latin  
American Studies  
contributes to better  
understanding between  
these two parts of the  
world.”*

—Jennifer Runner, Student

### CAREER OPPORTUNITIES

The minor is useful to students planning careers in education, business, U.S. foreign policies affecting both the public and the private sectors; the foreign service; and other international organizations as well as for those who simply desire a better understanding of Latin America

# Liberal Studies



Sarah Schuchterman, Liberal Studies Major

*“The Liberal Studies program here at CSU Stanislaus gives us a breadth of knowledge we need to facilitate learning in our students.”*

—Sarah Schuchterman, Student

## CAREER OPPORTUNITIES

Elementary School Teacher

Office: Classroom Building C125  
(209) 667-3749

E-Mail: PFinley@stan.csustan.edu

Chair: Peter Finley

### Liberal Studies Advisers:

Anthropology ..... Kofi Akwabi-Ameyaw  
Applied Studies Track ..... Louis Feldman  
Art ..... Richard Levering  
Bilingual/Crosscultural .....  
Maria Linda Apodaca, Fernando Beltran,  
Juan Flores, Christina Gonzales, Leodoro  
Hernandez, Richard Levering, Sari Miller-  
Antonio, William Ozuna, Kathy Shipley,  
Anthony J. Vang

### Biology:

Botany ..... Wayne Pierce  
Zoology ..... Walter Tordoff  
Chemistry ..... Hobart Hamilton  
Child Development ..... Rita Asher, Victoria Cortez,  
Susan Goodwyn, Gary Novak  
Communication Studies ..... Kathy Shipley  
Drama ..... Richard Levering  
English ..... Anna Bolling, Jack Williams  
Ethnic Studies ..... Maria Linda Apodaca,  
Sari Miller-Antonio, Richard Luevano  
Exceptional Children and Youth ..... Cathy Watkins  
Geography ..... Ida Bowers  
Mathematics ..... Louis Feldman, Viji Sundar  
Music ..... Robert Danziger  
Philosophy ..... James A. Tuedio  
Physical Education ..... James Bowen  
Physical Sciences and Geology ... Marvin Johnson  
Psychology ... Victoria Cortez, Susan Goodwyn, Lin  
Myers, Gary Novak, Gina Pallotta

### Social Sciences:

Economics, History, and  
Political Science ..... Laura Collard  
Sociology ..... Paul O'Brien  
Spanish ..... Robert Anderson  
Stockton Program ..... William Ozuna  
TESOL ..... Stephen Stryker  
Undeclared ..... Laura Collard, Peter Finley  
Women's Studies ..... J. J. Hendricks

Liberal Studies is a pre-professional waiver program leading to enrollment in a Multiple Subjects Credential Program. Our mission is to ensure that students graduate with a strong liberal arts background and the necessary experience and content to prepare them for a teaching career. Successful completion of the major qualifies the student for an approved waiver of the Multiple Subjects Assessment Test. Students who do not receive an approved waiver must pass the Multiple Subjects Assessment Test to qualify for admission to the Credential program. Please see the Chair of the Liberal Studies Department or the Coordinator of the Credential Program for more specific details.

*Note: The California Commission on Teacher Credentialing (CCTC) is empowered to change credential requirements without prior notice. The university will make changes leading to the credential whenever revisions are required by the CCTC.*

## Coordinating with the Multiple Subjects Teaching Credential Program

At this time Liberal Studies is the only major with an approved waiver program leading to a Multiple Subjects Credential Program. Without this waiver, successful completion of the Multiple Subjects Assessment Test (MSAT) is a requirement for entry into a Multiple Subjects Credential Program. Currently, admission to the CSU Stanislaus Multiple Subjects Credential Program requires a 3.02 overall grade point average for Liberal Studies students. See the "School of Education" section of this catalog and the credential application packet for other academic and professional admission requirements, including CLAD and BCLAD. Visit the Liberal Studies and Teacher Education departments for additional details and information pertaining to the application and interim approval process necessary for entrance into the Credential Program.

With the consent of the School of Education, students may be admitted to the credential program prior to completing their bachelor's degree. Units required in the credential program can be applied as upper-division elective credit toward satisfying the 124 unit requirement for the bachelor's degree.

The Liberal Studies Chair reviews prospective credential students for subject matter competency. Subject matter competency requires that all courses in Liberal Studies be met with grades of at least C- or CR or with part-scores on the MSAT high enough to waive areas where grades are not adequate. Students should consult with the Credential Program Coordinator for pre-cise GPA requirements for admission to the credential program.

## Proposed Blending of Programs

As a result of the joint efforts of the Department of Liberal Studies and the School of Education, the opportunity to enroll in credential course work as early as the junior year is expected to commence by fall 2000 pending CCTC approval. See the Liberal Studies department for updated information.

## Bachelor of Arts, Liberal Studies

Students entering under the 1999-2000 catalog 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

Complete the Liberal Studies version of the General Education Breadth Requirements (GE) for the Bachelor of Arts degree (54 units minimum) and a minimum of 124 semester units for graduation. Listed below is a summary of the specific subject requirements of the California Commission on Teacher Credentialing that are included in this program:

Oral Communication  
Composition and Critical Thinking  
Chemistry or Physics  
Earth and Space Sciences  
Physical Sciences Lab  
Foundations of Math I and II  
Art and Music, including an activity, performance, or studio course  
Literature  
Philosophy or Humanities  
U.S. History  
American Government  
World History  
Geography  
Human Development

Completion of the Liberal Studies version of GE will fulfill California Commission on Teacher Credentialing (CCTC) requirements. Most of the Liberal Studies requirements can be satisfied by choosing from options satisfying standard General Education (GE) requirements and double-counting them to fulfill CCTC requirements. **Refer to the catalog section on General Education Breadth Requirements for the standard GE requirements.**

The following identifies the CCTC requirement differences within the GE version for the Liberal Studies major, the GE course selection limitations, and the additional GE courses required:

#### a. Communication Skills

No variation from standard GE requirements.

#### b. Natural Sciences and Mathematics

##### • Physical Sciences

A Chemistry **or** Physics course (CHEM 1000,1100/lab,1110/lab, 2400, 2500/lab, PHYS 1500, 2100/lab, 2110/lab, **or** 2250); **and** an Earth and Space Sciences course (GEOL 2001/lab, 2100, PHSC 2100 **or** ASTR 2100); **and** a Physical Science laboratory course (e.g., ASTR 2112, CHEM 1002, GEOL 2102, PHYS 1501 **or** 2252) are required.

Required courses not fulfilled in GE Area B1 may be fulfilled in GE Area F1.

##### • Biological Sciences

A Biological Sciences course with a lab is required (BIOL 1010/1020 **or** BOTY 1050 **or** ZOO 1050).

##### • Mathematics

MATH 1030 **and** MATH 1040 are required.

#### c. Humanities

##### • Arts

Three units from GE Art courses **and** 3 units from GE Music courses, of which 3 units must be from activity, performance, **or** studio\* courses.

ART 1000*	MUS 1000
ART 1100*	MUS 1190
ART 1200*	MUS 2000
ART 1340*	MUS 2400*
ART 2515	MUS 2410*
ART 2520	MUS 2430*
ART 2530	MUS 2440*

- **Literature/Philosophy**  
A Literature course (ENGL 1010), **and** a Philosophy **or** Humanities course (HUM 2000, PHIL 1010, 2200, 2230, 2400, **or** 2700) are required.  
Required courses not fulfilled in GE Area C2 may be fulfilled in GE Area F2.
  - **Foreign Language**  
Foreign language is not specifically required for the degree, but 6 units (or equivalent competency verification) are required if the CLAD credential is sought.
- d. Social, Economic, and Political Institutions and Human Behavior**
- **US History and Constitution/California State and Local Government**  
No variation from standard GE requirements.
  - **Human Institutions**  
A World History course (HIST 1010 **or** HIST 1020) is required.
  - **Society and Culture**  
Psychology 2010 is required.
- e. Individual Resources for Modern Living**  
No variation from standard GE requirements.
- f. Upper-Division General Education Requirements**  
Courses in the discipline of the Liberal Studies concentration and those used to fulfill the Liberal Studies major will **not** double-count for upper-division GE requirements. (e.g. ETHS 4200)
- **Natural Science and Mathematics**  
Required courses not fulfilled in GE Area B1 may be fulfilled in GE Area F1.
  - **Humanities**  
Required courses not fulfilled in GE Area C2 may be fulfilled in GE Area F2.
  - **Social, Economic, and Political Institutions and Human Behavior**  
A Geography course (GEOG 3020 **or** 3340) is required unless satisfied by a lower-division GE geography course.
- g. Multicultural Requirement**  
No variation from standard GE requirements.
- 2. Prerequisites to the Major (with a C–or better)**  
LIBS 1000 Beginning Field Experience, 2 units  
LIBS 2000 Intermediate Field Experience, 2 units
- 3. Additional requirement in a supporting field (with a C–or better)**  
PSYC/CDEV 3140 Human Development I: Childhood, 3 units
- 4. Grade and Subject Requirements**  
All courses applied to fulfilling major prerequisites, the supporting field requirement, and major requirements must be completed with a letter grade unless the letter grade option is not authorized for the course.  
A C– grade or better is required in **all** upper-division courses in the major **and** the concentration unless a letter grade is not authorized for the course. A 2.0 grade point average in the major is required to receive a degree. Entry to a credential program currently requires a 3.02 overall grade point average.
- ### The Major (26 units excluding concentration)
- (Courses in areas 1 through 4 of the major are not applicable to the GE requirements.)
- 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, 2 units
- 2. Second Language Acquisition**  
Complete **one** of the following:  
ENGL 4800 Second Language Acquisition, **or**  
COMM 3010 Language and Speech Development, 3 units
- 3. Multicultural Perspectives**  
Complete **one** of the following:  
COMM 4160 Intercultural Communication, **or**  
ETHS 4200 The Minority Experience, 3 units, **or**  
HIST 3720 America's Ethnic and Immigrant Past Since 1865, 3 units  
WMST 4350 From Bias to Reality, 3 units, **or**  
SOCL 3250 Social Issues in Cross-Cultural Perspective, 3 units, **or**  
SOCL 4010 Race and Ethnic Relations, 3 units
- 4. Integrative Inquiry**  
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 4750 The California Economy, 3 units  
ETHS 4040 Minority Family, Communities, and Schools, 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  
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  
GEO 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 3020 Communication in the Classroom, 3 units  
COMM 3400 Oral Interpretation of Children's Literature, 3 units  
PHIL 3750 Concepts of Home in Philosophical Perspective, 3 units  
PHIL 3850 Media, Communication, and Community: Philosophical Issues for Teachers, 3 units  
PHIL 4800 Nature Revisited: Environmental Issues in Philosophical Perspective, 3 units
- Area D: Artistic Inquiry (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  
DRAM 4020 Performance for Children, 3 units  
MUS 3341 Music for the Classroom Teacher, 3 units

MUS 3420 Music and the Arts, 3 units

### 5. **Concentration**

Complete one of the concentrations listed below. All concentrations (except English and Music) require a minimum of 20 units of course work, of which at least 15 units must be upper-division units. Fifteen units of the concentration may not cross count with GE or the Liberal Studies major. Concentrations are listed in this catalog according to department. (See the Index.) Note that the Bilingual/Crosscultural concentration requires completion of specified language course work over and above the 20 units in the concentration.

Anthropology  
 Art  
 Bilingual/Crosscultural: Southeast Asian  
 Bilingual/Crosscultural: Spanish  
 Biological Sciences  
 Chemistry  
 Child Development  
 Communication Studies  
 Criminal Justice  
 Drama  
 Economics  
 English  
 Ethnic Studies  
 Exceptional Children and Youth  
 French  
 Geography  
 History  
 Mathematics  
 Music  
 Philosophy  
 Physical Education  
 Physical Sciences  
 Physics  
 Political Science  
 Portuguese  
 Psychology  
 Sociology  
 Spanish  
 TESOL  
 Women's Studies

### Prerequisites to the Multiple Subjects Credential Program (CLAD and BCLAD):

Foreign Language, 6 units or equivalent  
 EDUC 4200 Cultural Diversity and the Classroom, 3 units

## Course Descriptions

### Lower Division

#### ***LIBS 1000 Beginning Field Experience (2 units).***

An introduction to the Liberal Studies, the credential program, and the profession of teaching. Course requirements include 30 hours of tutoring in an elementary or university school setting.

#### ***LIBS 2000 Intermediate Field Experience (2 units).***

Participants 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. Prerequisite: LIBS 1000.

### Upper Division

#### ***LIBS 3000 Community and Diversity (WP) (3 units).***

An introduction to the Liberal Studies major and the University. Focus is on multiculturalism and diversity, including perspectives on cultural/linguistics differences, gender roles and the differently-abled. Satisfies upper division writing proficiency requirement. Prerequisite: Satisfactory completion of Writing Proficiency Screening Test. Open only to Liberal Studies majors.

#### ***LIBS 4960 Senior Seminar (2 units).***

An integrative course in which students will reflect on the nature and extent of their liberal arts education. Students will be required to demonstrate both their ability to integrate studies across disciplines as well as their competencies within those disciplines. Prerequisite: LIBS 3000.

## Bilingual/Crosscultural Concentration

Office: Demergasso-Bava Hall 330  
(209) 667-3277

Coordinator: Leodoro Hernandez

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 limited- and non-English speaking students.

### Requirements

(20 units minimum)

1. Complete a minimum of 20 units.
2. Complete one of the two following emphases: Spanish or Southeast Asian.

#### **Bilingual/Crosscultural - Spanish**

1. 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.
2. 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
3. Crosscultural Component  
Complete the following (6 units):
  - EDUC 4200 Cultural Diversity and the Classroom, 3 units
  - ETHS 4200 The Minority Experience, 3 units
4. Electives  
Complete 5 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

#### **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 3020 are available. When other Southeast Asian language courses through 3020 are offered, they will become a part of the Southeast Asian Emphasis curriculum. Students who do not need Hmong course work in preparation for the BCLAD language test requirement may wish to enroll in the Ethnic Studies or TESOL (concentrations without an extensive language component) rather than in Bilingual/Crosscultural.
2. Cultural Component (9 units)  
Complete the following:
  - ETHS 2200 Contemporary Asian American Studies, 3 units
  - ETHS 3100 Asian American Images in the Arts and Media, 3 units
  - ETHS 4030 Asian American Families, 3 units
3. Crosscultural Component (6 units)
  - EDUC 4200 Cultural Diversity and the Classroom, 3 units
  - ETHS 4200 The Minority Experience, 3 units
4. Electives  
Complete 5 units from the following:
  - ANTH 3101 Cultures of Asia and the Pacific, 3 units
  - EDUC 4300 Teaching the Cultural Heritage of the Hmong and Lao People, 3 units
  - EDUC 4430 Crosscultural Techniques for Teachers, 3 units
  - ENGL 4800 Second Language Acquisition, 3 units
  - ETHS 4940 Field Work in Ethnic Studies (Southeast Asian), 4 unit
  - GEOG 3580 Cultural Ecology of Southeast Asian Peoples, 4 units



## Exceptional Children and Youth Concentration

Office: Demergasso-Bava Hall 348  
(209) 677-3364

Coordinator: Cathy L. Watkins

The Liberal Studies concentration in Exceptional Children and Youth was developed primarily for students interested in teaching the learning and severely handicapped at the elementary and secondary levels. Because all undergraduates may find the program valuable in better understanding exceptionalism, students may choose it as a minor.

(See the "School of Education" section of this catalog for descriptions of the Special Education credential programs currently offered at the University.)

### Requirements

(21 units minimum)

1. Complete a minimum of 21 units including the 15 upper-division units listed below.

*Note: Students should maintain contact with the program coordinators to be apprised of any course work changes in the credential program.*

*Note: The 15 required upper-division units common to both minor and concentration satisfy some of the generic requirements for state teacher certification in exceptionalism.*

2. Complete the prerequisite course:  
PSYC 2010 Introduction to Psychology, 3 units
3. Complete the following required classes (15 units):  
EDSE 4310 Introduction to Special Education Programs, 3 units  
EDSE 4330 Communication and Social Skills for Students with Disabilities, 3 units  
PSYC 3140 Human Development I: Childhood, 3 units  
PSYC 4150 Learning Disabilities, 3 units  
EDSE/PSYC 4560 Theory of Instructional Design, 3 units,  
**or**  
PSYC 4550 Practicum with Exceptional Children, 3 units
4. Select one of the following elective classes to complete the concentration (3 units):  
COMM 3010 Language and Speech Development, 3 units  
PSYC 4130 Psychological Disorders of Children, 3 units  
PSYC 4750 Applied Behavior Analysis in the Classroom, 3 units  
PSYC 4790 Behavioral Engineering, 3 units

## Applied Studies Track

Office: Demergasso-Bava Hall 262  
(209) 667-3461

Coordinator: Louis Feldman

E-mail: louis@chem.csustan.edu

The Applied Studies program is preparation for entry or advancement in careers that do not correspond to other academic programs. It is a program designed for persons returning to college part-time evenings and/or weekends. Its purpose is to complement their life experiences with academic work which will make them more valuable in a variety of careers. **It does not act as an approved waiver program into the Multiple Subjects Credential Program.**

The rapid and significant change that has become a preeminent feature of our civilization creates a need for a new type of professional, one well qualified to deal with both the opportunities and the problems constantly arising from the state of change. The Applied Studies program educates this new type of professional by complementing life experience with academic study focusing on the following: Contemporary and Future Trends: The Major Trends in American Civilization, Economic Trends, Trends in Science and Technology; Computer Studies; and the Modern Organization.

Most upper-division courses for the Applied Studies track in the Liberal Studies major will be offered evenings on a three-year cycle. Persons with 56 or more transferable units of credit should be able to complete all requirements for a baccalaureate degree in any three consecutive years.

Course prerequisites assist students in selecting their course work. Those who do not have the formal prerequisites for a course but feel they may be qualified for other reasons must contact the course instructor.

*Note: Persons whose primary interest is business administration, computer information systems, computer science, public administration, or a teaching credential also should consult an adviser in that area.*

### Requirements

1. Liberal Studies major with the Applied Studies track including a minimum of 18 units in each of the four subject areas 1, 2, 3, and 4 with a maximum of 40 units in any one area;
2. A physical education activity course (for students entering before their twenty-fifth birthday);
3. The Applied Studies concentration;
4. Electives to bring the student's total number of units to at least 124 and the total number of upper-division units to at least 40, and to include at least 9 upper-division units which satisfy the University's upper-division General Education requirements, and at least three units of multicultural courses (see note below);
5. A program of study approved by the student's Applied Studies adviser.

*Note: Courses applicable to the University's upper-division General Education requirements are denoted throughout by the dagger symbol (†). Courses applicable to the University's multicultural requirement are denoted throughout with the double asterisk (\*\*).*

## Subject Matter Areas

### Area 1. Social Sciences (18 units)

- a. Complete one of the following courses in United States History:  
HIST 2600 Problems in U.S. History, 3 units  
HIST 3610 Colonial America, 3 units  
HIST 3620 Early National America, 3 units  
HIST 3630 America After the Civil War, 3 units  
HIST 3640 Contemporary America, 3 units
- b. Complete one course in the United States Constitution and California state and local government.
- c. Complete one of the following introductory economics courses (3 units):  
ECON 2500 Principles of Macroeconomics, 3 units  
ECON 2510 Principles of Microeconomics, 3 units
- d. Complete two of the following courses concerned with differing world trends. Each must be selected from a different discipline:  
ANTH 3900 Women: A Crosscultural View, 3 units  
ANTH 4211 The World in Change, 3 units  
ETHS 4200 The Minority Experience, 3 units † \*\*  
GEOG 3020 Human Ecology, 3 units †  
GEOG 3300 Geography of Economic Activities, 3 units  
GEOG 4070 Agricultural Geography, 4 units  
PSCI 3600 International Relations, 4 units  
PSCI 4350 Government, Business, and the Economy, 3 units  
PSCI 4640 Foreign Policy Issues, 3 units  
PSYC 3660 Psychology of Women, 3 units  
SOCL 3200 Social Change, 3 units
- e. Elective courses in anthropology, cognitive studies, economics, ethnic studies, geography, history, political science, psychology, or sociology (normally one course)

### Area 2. Mathematics/Science (18 units)

- a. Complete one course in mathematics.
- b. Complete one course in biology, botany, entomology, microbiology, or zoology.
- c. Complete one course in astronomy, chemistry, geology, physical science, or physics.
- d. Complete one science laboratory section or course.
- e. Complete one of the following courses concerned with the environment:  
BIOL 2650 Environmental Biology, 3 units  
GEOL 3000 Physical and Environmental Geology, 4 units †  
PHSC 1300 Environmental Pollution, 3 units  
PHSC 3000 Energy, Ecology, and Environment, 3 units  
PHSC 3500 Solar and Other Alternative Energies, 3 units †
- f. Elective courses in astronomy, biology, botany, chemistry, computer science, entomology, geology, mathematics, microbiology, natural science, physical sciences, physics, or zoology (normally two courses).

### Area 3. Arts/Humanities (18 units)

- a. Complete one course in literature, including foreign literature and philosophy.
- b. Complete one course in art, drama, or music.
- c. Complete two of the following courses, selected from different disciplines, which give insight into today's technological society from the viewpoint of the arts and humanities.  
ART 4550 Art Since 1945, 3 units  
ART 4555 American Art, 3 units †  
DRAM 4550 American Theatre, 3 units †  
MUS 3400 American Music, 3 units †  
PHIL 4260 Twentieth Century Philosophy, 3 units  
PHIL 4401 Professional Ethics, 3 units †
- d. Elective courses in art, drama, French, German, music, philosophy, or Spanish (normally three courses).

### Area 4. Communication (18 units)

- a. Complete the following course:  
ENGL 1001 First-Year Composition, 3 units
- b. Complete one of the following courses:  
ENGL 2000 Critical Inquiry, 3 units  
PHIL 2000 Philosophical Inquiry, 3 units.
- c. Complete one upper-division writing proficiency course. For example:  
ENGL 3007 Business and Technical Communication, 3 units
- d. Complete one of the following courses concerned with modern media:  
COMM 2200 Introduction to Mass Media, 3 units  
COMM 4200 Mass Media, Theory, and Research 3 units  
ENGL 3500-3520 Studies in Film, 3-4 units  
JOUR 3030 Freedom of Speech and Press: Contemporary Issues, 3 units
- e. Complete an introductory course in public speaking or interpersonal communication, **or**  
COMM 2011 Approaches to Human Communication, 3 units
- f. Complete one of the following:  
COMM 3100 Advanced Interpersonal Communication, 3 units †  
COMM 3120 Management Communication, 3 units  
COMM 4100 Group Communication, 3 units  
COMM 4120 Advanced Persuasion and Social Influence, 3 units
- g. Elective courses in English, journalism, or speech.

### Area 5. Physical Education

Students entering CSU Stanislaus before their twenty-fifth birthday must complete a physical education activity course.

## Area 6. Concentration: Applied Studies (24 units)

- a. Contemporary and Future Trends**
- i. Major Trends in American Civilization**  
One of the following courses:  
 ANTH 3000 Anthropology and Modern Social Issues, 3 units†  
 ANTH 4140 Urban Anthropology, 3 units  
 ANTH 4211 The World in Change, 3 units\*\*  
 GEOG 4350 Urban Geography, 4 units  
 HIST 3090 Contemporary World History, 3 units† \*\*  
 HIST 3640 Contemporary America, 3 units  
 PSCI 4330 Urban Politics, 4 units  
 SOCL 3430 Population, Resources and the American Future, 3 units  
 WMST 3000 Women's Studies Colloquium, 3 units
- ii. Economic Trends**  
One of the following courses:  
 ACC 3005 Personal Financial Planning, 3 units†  
 ECON 3150 National Income Analysis, 3 units  
 ECON 3320 Money and Banking, 3 units  
 ECON 4050 Comparative Economic Systems, 3 units  
 ECON 4100 Labor Economics, 3 units  
 ECON 4415 International Economics, 3 units  
 ECON 4500 Economics of Investment, 4 units†  
 ECON 4540 Public Finance and Fiscal Policy, 3 units  
 ECON 4600 Urban Economics, 3 units  
 FIN 3210 Investment Management, 3 units †
- iii. Trends in Science and Technology**  
One of the following courses:  
 BIOL 3000 Frontiers in Biology, 3 units†  
 CHEM 3070 The Chemicals in Your Life, 3 units†  
 CHEM 3080 The Chemistry of Nuclear Energy, 3 units  
 CHEM 3100 Environmental Chemistry, 3 units†  
 MATH 3350 Applied Mathematical Models, 3 units†  
 PHYS 3800 Fundamentals of Nuclear Energy, 3 units†  
 PHYS 4930 Lasers and Holography, 4 units
- b. Computer Studies**  
Complete 6 units from the following courses:  
 CIS 2000 Introduction to Business Computer Systems, 3 units  
 CIS 2010 COBOL Programming and Business Information Systems, 3 units  
 CIS 3730 Structured Programming, 3 units  
 CIS 4720 Data Base Management Systems, 3 units  
 CIS 4770 Systems Analysis and Design, 3 units

- CS 1000 Introduction to Computers, 3 units  
 CS 1200-1350 Programming Language Laboratory, 1–3 units  
 CS 1500 Computer Programming I, 3 units  
 CS 2500 Computer Programming II, 3 units  
 CS 2700 Assembly Language and Computer Architecture, 3 units  
 CS 3000 Communication Networks, 3 units  
 CS 3050 File Processing, 3 units  
 CS 3100 Data Structures and Algorithms, 3 units  
 CS 3200 Computer Simulation Techniques, 3 units  
 CS 3600 Computer Graphics I, 3 units  
 CS 4000 Personal Computing, 3 units†
- c. The Modern Organization**  
Complete three courses from the following with at least 3 units in each of two or more disciplines.  
 COMM 4110 Organizational Communication, 3 units  
 MGT 3310 Management Theory and Practice, 3 units  
 MGT 4000 Organization and Environment, 3 units  
 MGT 4360 Organizational Behavior, 3 units  
 PSCI 3304 Introduction to Public Administration, 4 units  
 PSCI 4300 Organization Theory, 4 units  
 PSCI 4315 Public Policy Making, 3 units  
 PSYC 4821 Group Dynamics Workshop, 1 unit  
 SOCL 4800 Formal Organizations in Modern Society, 3 units

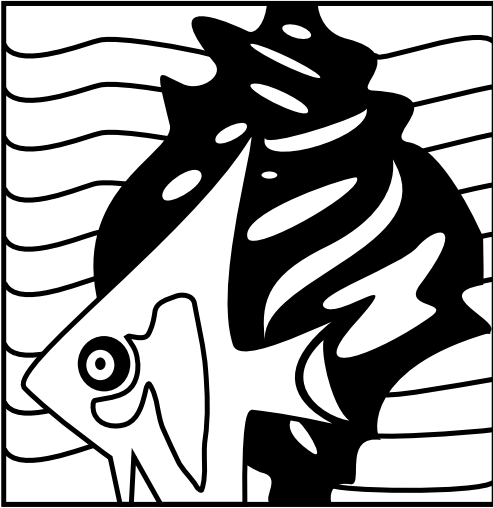
Some of the courses listed as satisfying requirements for the concentration are also listed as satisfying requirements in Areas 1, 2, 3, and 4; however, no more than 9 units may be used to satisfy concentration requirements and requirements in Areas 1, 2, 3, and 4 simultaneously.

## Area 7. Electives

Electives to bring the student's total number of units to at least 124 and total number of upper-division units to 40. These electives should be selected to complement the courses selected to fulfill the requirements for the concentration. Students should give serious consideration to any electives recommended for this program. These include all courses listed above as well as other recommended electives.

*Note: The lists of courses for the various requirements are not exhaustive. Courses not on these lists—including courses offered during Winter Term, approved selected topics courses, etc.—may be used to fulfill these requirements with the consent of the student's Applied Studies adviser.*

# Marine Sciences



*“Any information we provide will help in the understanding of the deep sea frontier.”*

—Dr. Pamela Roe, Professor

## **CAREER OPPORTUNITIES**

**Research:** In both private and public sector, 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

Office: Science Building 103  
(209) 667-3476

Coordinator: Pamela Roe

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, Hayward, 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 advisers in the Department of Biological Sciences or Department of Physical Sciences for further details or write to the Director, Moss Landing Marine Laboratories, P.O. Box 450, Moss Landing, California 95039. Consult the office of the Department of Biological Sciences for information on the Master of Science in Marine Sciences (Marine Biology) degree.

## **Master of Science in Marine Sciences**

This degree program, to be offered as an interdepartmental degree on each campus in appropriate science departments (biology, geology, chemistry) in cooperation with Moss Landing Marine Laboratories (MLML), 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 Octo-

ber 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 Office of Graduate Studies, (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 towards 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 Science 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, MSCI 5860 or MSCI 5870, 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 3110 Introduction to Marine Animal Behavior, 4 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 3610 Marine Fisheries, 4 units
    - MSCI 3730 Topics in Marine Biology, 1-4 units
    - MSCI 3740 Topics in Oceanography, 1-4 units
    - MSCI 3750 Topics in Marine Science, 4 units
    - MSCI 3770 Microscopic Techniques, 3 units
    - MSCI 5020 Marine Instrumental Analysis, 4 units
    - MSCI 5040 Sampling and Experimental Design, 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 5220 Biology of the Mollusca, 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 5440 Paleooceanography, 4 units
    - MSCI 5450 Deep Sea Sedimentation, 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 5740 Advanced Topics in Oceanography, 1-4 units  
 MSCI 5804 Scientific Writing, 3 units  
 MSCI 5850 Graduate Seminar in Marine Biology, 2 units  
 MSCI 5860 Graduate Seminar in Marine Geology, 2 units  
 MSCI 5870 Graduate Seminar in Oceanography, 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).**

The mathematical methods for the analysis of biological, chemical, and physical data from the marine environment; experimental design, parametric, and non-parametric statistics. 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 3110 Introduction to Marine Animal Behavior (4 units).**

Basic theoretical concepts of animal behavior, stressing the causation, development, and evolution of behavior. Emphasis is on the marine environment. Corequisite: MSCI 3112. Prerequisite: MSCI 3030 or consent of instructor. (Lecture, 3 hours; laboratory or field, 3 hours) (MLML 110) (Fall)

#### **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 surroundings. 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 marine invertebrate phyla. Corequisite: MSCI 3242. Prerequisites: College zoology or consent of instructor; MSCI 3030 recommended. (Lecture, 2 hours; laboratory or field, 6 hours) (MLML 124) (Fall)

**MSCI 3250 Marine Invertebrate Zoology II (3 units).**

Field-oriented introduction to the structure, systematics, evolution, and life histories of the minor marine invertebrate 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, and mixing. Also includes the physical properties of seawater, including transmission of sound and light. Does not require 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 3610 Marine Fisheries (4 units).**

An introduction to fishery biology, including the concepts of stock, recruitment, and yield, and emphasizing the parameters abundance, age, growth, and mortality. Discussion of hydrography and fishery ecology, management problems, world fisheries and mariculture, and collection and analysis of fishery data. Corequisite: MSCI 3612. Prerequisite: College mathematics, MSCI 3040, or consent of instructor. MSCI 3030 recommended. (Lecture, 2 hours; laboratory, 6 hours) (MLML 161) (Fall)

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

The study of a selected area in marine biology (morphology, physiology, ecology, etc.). Subjects will vary depending on student demand and availability of instructors. Prerequisite: Consent of instructor. Offered on demand. (MLML 173)

**MSCI 3740 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. Prerequisite: Consent of instructor. Offered on demand. (MLML 174)

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

Principles and techniques of light and electron microscopy. Consideration of brightfield, darkfield, phase contrast, and interference contrast light microscopy, episcopic and diascopic illumination systems; photomicrography; preparation of materials for and operation of the scanning electron microscope. Corequisite: MSCI 3772. Prerequisites: One semester college physics and consent of instructor. (Lecture, 2 hours; laboratory, 3 hours) (MLML 177) (Fall)

**MSCI 4980 Independent Study (4 units).**

Faculty-directed study of selected research problems; open to undergraduate students with adequate preparation. Prerequisite: Consent of instructor. (MLML 180)

**Graduate****MSCI 5020 Marine Instrumental Analysis (4 units).**

Theory and use of advanced instrumentation; advanced field and laboratory techniques for the interpretation of data collected in marine science research. Corequisite: MSCI 5022. Prerequisites: MSCI 3420, 3430. (Lecture, 2 hours; laboratory or field, 6 hours) (MLML 202) (Spring)

**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 5110 Ecology of Marine Birds and Mammals (4 units).**

Community approach to the ecology of marine birds and mammals using experimental and sampling methodology. Examine 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, or mammals, emphasizing current literature and research. Topics and emphasis will vary with term and instructor. May be repeated for credit when topics change. Corequisite: MSCI 5122. Prerequisites: MSCI 3120, or 3130 and consent of instructor. (Lecture, 2 hours; laboratory and field, 6 hours) (MLML 212) (Fall)

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

Systematics, functional morphology, ecology, and physiology of the mollusca with emphasis on the marine forms. Corequisite: MSCI 5222. Prerequisite: MSCI 3240 or consent of instructor. (Lecture, 2 hours; laboratory or field, 6 hours) (MLML 222) (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 5440 Paleoceanography (4 units).**

Interdisciplinary studies of the provenance, biologic, and geologic composition of marine sediments and of the organisms contributing to their formation; sedimentary processes affecting these sediments. Corequisite: MSCI 5442. Prerequisites: MSCI 3410 or consent of instructor. (Lecture, 2 hours; laboratory, 6 hours) (MLML 244) (Spring)

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

Study of the types of marine sediment found in the deepest part of all oceans; the sedimentary processes responsible for the deposition, preservation, and re-deposition of these sediments. Corequisite: MSCI 5452. Prerequisites: MSCI 3410 or consent of the instructor. (Lecture, 2 hours; laboratory, 6 hours) (MLML 245) (Fall)

**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).**

Basic principles of remote sensing of the oceans. Topics to include: Electromagnetic radiation, blackbody radiation; atmospheric scattering and absorption; principles of radio metric measurements; ocean color sensing; atmospheric correction; image registration, mapping; image processing and enhancement; ocean color imagery and temperature imagery. Corequisite: MSCI 5622. Prerequisites: MSCI 3420, MSCI 3440 or consent of instructor. Computer literacy recommended. (Lecture, 2 hours; laboratory, 6 hours) (MLML 262) (Spring)



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

Lecture, discussion, and practical experience with multi-user computer for marine science applications: use of existing programs and subroutine libraries; computer communications; scientific programming for data I/O and analysis. Semester project required. Corequisite: MSCI 5632. Prerequisite: MSCI 3040, 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 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. 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 Biology (2 units).**

Seminar will be held on topics changing each semester. Each student will be required to give at least one seminar. May be repeated once for credit. Prerequisite: Consent of instructor. (MLML 285) (Fall)

**MSCI 5860 Graduate Seminar in Marine Geology (2 units).**

Seminar will be held on topics changing each semester. Each student will be required to give at least one seminar. May be repeated once for credit. Prerequisite: Consent of instructor. (MLML 286) (Spring)

**MSCI 5870 Graduate Seminar in Oceanography (2 units).**

Seminar will be held on topics changing each semester. Each student will be required to give at least one seminar. May be repeated once for credit. Prerequisite: Consent of instructor. (MLML 287) (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)

# Mathematics



Sandra Barragan, Mathematics Major

*“The CSU Stanislaus Mathematics Department has helped me see that there is no branch of mathematics, however abstract, which may not someday be applied to the real world.”*

—Sandra Barragan, Student

## CAREER OPPORTUNITIES

Industrial Mathematics in business, engineering, government, industry, and sciences. Mathematical computing in programing, software development and analysis, and systems analysis. Operations Research, Statistics, Teaching

**Office:** Demergasso-Bava Hall 262  
(209) 667-3461

**Chair:** Judith L. Clarke

**E-mail:** math@chem.csustan.edu

**Faculty:** Thomas J. Abram, Judith L. Clarke,  
S. Abdul Fazal, Louis A. Feldman,  
Robert S. Fisk, Ralph L. James,  
Dennis H. Nemzer, Dana M. Reneau,  
Terrie L. Short, Viji K. Sundar

**Emeritus Faculty:** Amberse M. Banks,  
Shang-Wang Chang,  
Narendra L. Maria

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 (not required of transfer students who have taken a statistics course at another institution)
    - 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 Computer Programming I, 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 29 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 (17 units):
        - MATH 3420 Set Theory and Mathematical Logic, 2 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 adviser (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
        - MATH 4640 Statistical Inference, 3 units
      - III. Complete selected upper-division courses as approved by the major adviser so the total upper-division units in mathematics is 29 (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, 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 (26 units):
      - MATH 3230 Differential Equations, 3 units
      - MATH 3420 Set Theory and Mathematical Logic, 2 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
      - MATH 4640 Statistical Inference, 3 units
    - II. Complete selected upper-division courses as approved by the major adviser so the total upper-division units in mathematics is 29 (3 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 must also 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, 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 entire program is available from the Department of Mathematics.

## The 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 (20 units)

Complete twenty units in mathematics as approved by the major adviser, including a minimum of 15 upper-division units.

## Teaching Credentials

Majors in mathematics interested in multiple subject or single subject credentials are referred to the "School 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 described previously.

## Course Descriptions

### Prebaccalaureate

*Note: Courses numbered 0001-0999 are prebaccalaureate level and do not carry unit credit toward the 124 units required for a Bachelor's degree.*

#### **MATH 0101 Pre-Algebra (3 units).**

(Replaces MATH 0100) This course is designed specifically to help college students fill the gaps in their mathematical backgrounds in preparation for further math courses. The course is a review of arithmetic, basic geometry, and pre-algebra skills. Prerequisite: ELM score of 360 or below or consent of instructor.

#### **MATH 0102 Elementary Algebra (3 units).**

(Replaces MATH 0100) Continuation of MATH 0101. Review of elementary algebra including exponents, polynomials, fractions, radicals, and elementary inequalities. Prerequisite: ELM score of 370 to 470, inclusive; or satisfactory completion of MATH 0101; or satisfaction of the ELM testing requirement and completion of any course in pre-algebra at any accredited institution with a grade of B or better, regardless of the ELM score, provided that the pre-algebra course was completed during the 12 month period immediately prior to the beginning of the term of enrollment in MATH 0102; or consent of instructor.

#### **MATH 0105 Intermediate Algebra (3 units).**

Continuation of MATH 0102. Exponents, fractions, radicals, elementary inequalities, polynomials, logarithmic and exponential functions. This course is designed to help college students fill the gap in their mathematical background in preparation for further math courses. Prerequisite: ELM score of 480 or above; or satisfactory completion of MATH 0102; or satisfaction of the ELM testing requirement and completion of any course in beginning algebra at any accredited institution with a grade of B or better, regardless of the ELM score, provided that the beginning algebra course was completed during the 12 month period immediately prior to the beginning of the term of enrollment in MATH 0105; or consent of instructor.

## 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. The course emphasizes mathematics as used in real life problems. Topics may be selected from the areas of elementary number theory, metric systems, geometry, probability, statistics, power of the pocket calculator, and computers. Satisfies G.E. area B3. Prerequisite: MATH 0105, 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 subjects teaching credential. Satisfies G.E. area B3. Prerequisite: MATH 0105, or a passing score on the ELM test, or equivalent. (CAN MATH 4)

### **MATH 1032 Elementary Foundations of Mathematics Lab I (1 unit).**

Activities to introduce and reinforce the skills and objectives of MATH 1030. Guided discovery of concepts using manipulatives and interactive learning. Prerequisite: MATH 1030 or concurrent enrollment in MATH 1030.

### **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 subjects teaching credential. Prerequisite: MATH 1030 with a grade of C- or better.

### **MATH 1042 Elementary Foundations of Mathematics Lab II (1 unit).**

Activities to introduce and reinforce the skills and objectives of MATH 1040. Guided discovery of concepts using manipulatives and interactive learning. Prerequisite: MATH 1040 or concurrent enrollment in MATH 1040.

### **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 0105 or passing score in ELM, 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 at CSU Stanislaus or a passing score on the Trigonometry/Precalculus Screening Test.

### **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 0105, or a passing score on the ELM test or equivalent and a passing score on the Trigonometry/Precalculus Screening Test. (CAN MATH 16)

### **MATH 1102 Precalculus Laboratory (1 unit).**

Advanced problem-solving and collaborative learning in precalculus mathematics. To receive credit, students must attend one of the 2-hour sessions each week. Prerequisite: MATH 1100 or concurrent enrollment in MATH 1100.

**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 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 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, and selected applications. Satisfies G.E. area B3. Prerequisite: MATH 0105 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, and introduction to analysis of variance. Satisfies G.E. area B3. Corequisite: MATH 1602. Prerequisites: MATH 0105, or a passing score on the ELM test or equivalent. (Lecture, 3 hours; laboratory, 2 hours) (CAN STAT 2)

**MATH 1602 Statistics Laboratory (0 units).**

Experiments and calculations in statistics. Corequisite: MATH 1600.

**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 0105, 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, applications of the derivative, and definite integral. This course is 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 0105, 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. This course is 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. (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 1420.

**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 2412 Multivariate Calculus Laboratory (1 unit).**

Advanced problem-solving and collaborative learning in Multivariate Calculus mathematics. To receive credit, students must attend one of the 2-hour sessions each week. Prerequisite: MATH 2410 or concurrent enrollment in MATH 2410.

**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 2512 Linear Algebra Laboratory (1 unit).**

Advanced problem-solving and collaborative learning in Linear Algebra mathematics. To receive credit, students must attend one of the 2-hour sessions each week. Prerequisite: MATH 2530 or concurrent enrollment in MATH 2530.

**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.

## 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 subjects 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 math and science requirements in the Liberal Studies major sections 2A and 2B and upper-division G.E. F1, with a grade 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 1500, 1600, 1610, or 1620.

### **MATH 3420 Set Theory and Mathematical Logic (2 units).**

Basic set theory and logic (especially as they apply to writing and understanding mathematical proofs), relations, functions, 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, MATH 2530, junior 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, 3420, and six additional upper division units in mathematics (other than MATH 3030, 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, 3420, and six additional upper division units in mathematics and/or computer science with grades of C– or better (other than MATH 3030, 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.

### **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 (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. 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).**

This course is 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) (1–5units).**

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) (3units).**

This course will synthesize 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: MATH 1620, 2410, 2530, 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.

**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 5100 Principles and Techniques of Applied Mathematics (4 units).**

Topics to be selected from the theory of distributions, Laplace and Fourier Transforms, difference equations, ordinary and partial differential equations, operator theory, and eigenfunction expansions. Prerequisites: MATH 3230 and 4140.

**MATH 5950 Selected Topics in Mathematics (Topics to be specified in Class Schedule) (1–5units).**

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



Adalberto Gómez, Spanish Major

*“If you are planning a career in Modern Languages, CSU Stanislaus is the place to come. A friendly staff is willing to help you with anything, at all times. ¡Todos son bienvenidos!”*

—Adalberto Gómez, Graduate Student

## 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, US immigration/customs. US information agency, Peace Corps, language teacher, bilingual/foreign secretary, foreign publications/textbook editor, research assistant

Office: Classroom Building 237D  
(209) 667-3686

Chair: Enrique López-Contreras

Faculty: Robert K. Anderson, Julia G. Cruz,  
Richard A. Curry, Enrique López-  
Contreras, Lilia G. Sánchez

Students in the Department of Modern Languages may obtain a Bachelor of Arts degree in French or Spanish; a Liberal Studies concentration in French or Spanish; or a degree minor in French or Spanish. In addition, the Department offers courses in critical foreign languages such as Chinese, Japanese, Russian, Cambodian, Hmong, and Portuguese.

Majors and/or minors in Modern Languages and Literatures 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 (FLAN)

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).

## Foreign Languages

### Course Descriptions

#### *Offered under Critical Foreign Languages Program*

##### **FLAN 1010 Elementary Japanese I (4 units).**

Intensive introduction to Japanese, using the Jordan method. In this first semester, students do rigorous work in comprehension, speaking, and basic grammatical structures. This is not a "conversational Japanese" course. Satisfies G.E. area C3. (Fall)

##### **FLAN 1020 Elementary Japanese II (4 units).**

Continuation of FLAN 1010. Students continue intensive oral and grammatical work. Introduction to the Japanese writing system. Satisfies G.E. area C3. Prerequisite: FLAN 1010 or equivalent. (Spring)

##### **FLAN 1030 Elementary Russian I (4 units).**

First-year Russian, oral proficiency approach; understanding, speaking, reading, and writing; introduction to Russian culture. Satisfies G.E. area C3. (Fall)

##### **FLAN 1040 Elementary Russian II (4 units).**

Continuation of FLAN 1030. Satisfies G.E. area C3. Prerequisite: FLAN 1030 or equivalent, or consent of instructor. (Spring)

##### **FLAN 1050 Elementary Chinese I (4 units).**

Intensive introduction to Chinese. In this first semester, students do rigorous work in comprehension, speaking, and basic grammatical structures. This is not a "conversational Chinese" course. Satisfies G.E. area C3. (Fall)

##### **FLAN 1060 Elementary Chinese II (4 units).**

Continuation of FLAN 1050. Students continue intensive oral and grammatical work. Introduction to the Chinese writing system. Satisfies G.E. area C3. Prerequisite: FLAN 1050 or equivalent. (Spring)

##### **FLAN 1065 Elementary Arabic I (4 units).**

Beginning Modern Standard Arabic to develop functional abilities in the four language skills, with a focus on oral proficiency. Satisfies G.E. area C3.

##### **FLAN 1066 Elementary Arabic II (4 units).**

Second semester beginning Modern Standard Arabic to develop functional abilities in the four language skills, with a focus on oral proficiency. Satisfies G.E. area C3. Prerequisite: FLAN 1065 or equivalent.

##### **FLAN 1070 Elementary Cambodian I (4 units).**

Intensive introduction to spoken Cambodian (Khmer). Includes an introduction to Cambodian culture. Satisfies G.E. area C3. (Fall)

##### **FLAN 1080 Elementary Cambodian II (4 units).**

Continuation of FLAN 1070. Satisfies G.E. area C3. Prerequisite: FLAN 1070 or equivalent. (Spring)

##### **FLAN 1092 Elementary Hmong I (4 units).**

Beginning Hmong; development of listening comprehension and speaking skills for oral proficiency. Introduction to Hmong culture. Satisfies G.E. area C3.

##### **FLAN 1093 Elementary Hmong II (4 units).**

Continuation of FLAN 1092. Development of listening comprehension and speaking skills for oral proficiency. Introduction to Hmong culture. Satisfies G.E. area C3. Prerequisite: FLAN 1092 or equivalent.

##### **FLAN 2010 Intermediate Japanese I (3 units).**

Second-year Japanese, emphasizing oral proficiency. Understanding, speaking, reading, and writing Japanese. Satisfies G.E. area C3. Prerequisite: FLAN 1020 or equivalent. (Fall)

##### **FLAN 2013 Written Lao for Lao Speakers I (3 units).**

(Formerly FLAN 1082) This course introduces native speakers of Lao to that language's traditional written system. Students will write Lao for personal needs (letters), read simple texts, and develop greater vocabulary and structural control of the language. Satisfies G.E. area C3.

##### **FLAN 2014 Written Lao for Lao Speakers II (3 units).**

Continuation of Written Lao I. Development of ability to understand, speak, read, and write Lao. 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.

**FLAN 2075 Written Cambodian for Cambodian (Khmer) Speakers I (3 units).**

(Formerly FLAN 1075) This course 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) This course is a 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 1075 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) (1-5units).**

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.

*Note: Completion of an academic minor is not required but is strongly recommended for single subject credential candidates.*

### 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

### The 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.*

## Liberal Studies Concentration (French)

### Requirements (20 units minimum)

1. Complete the following courses (6-12 units):  
FREN 2010, 2020 Intermediate French I, II, or equivalent, 0-6 units  
FREN 3010, 3020 Advanced French Grammar and Composition I, II, 6 units
2. Select two courses from the following (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
3. Select upper-division electives in French by advisement, 3-8 units

## Teaching Credentials

### Single Subject Matter Preparation Program

Those interested in completing the single subject matter preparation program in French should obtain the up-to-date description of the program currently available in the Department of Modern Languages. Please refer to the "School of Education, Teacher Education" section of this catalog for a description of other requirements to be completed in obtaining a single subject credential.

## 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 1987 Basic Conversation Adjunct (1 unit).**

A course designed to supplement lower-division language courses to help students improve their oral competence in French. Prerequisite: Current or previous enrollment in a lower-division French course. (Fall, Spring)

#### **FREN 1988 Basic Conversation Adjunct (2 units).**

A course designed to supplement lower-division language courses to help students improve their oral competence in French. Prerequisite: Current or previous enrollment in a lower-division French course. (Winter)

#### **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 (3units).***

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).***

A course dealing with the 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).***

A course dealing with 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).***

A course dealing with the 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).***

A course dealing with the 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).***

A course 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 4810 Linguistics and Language Instruction (WP) (3units).***

An overview of the field of linguistics and its applicability for teaching foreign languages in the secondary schools. Satisfies upper division writing proficiency requirement. Prerequisites: Passing score on WPST and FREN 3010 or consent of instructor.

### ***FREN 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 8 units depending upon departmental policy. Prerequisites: Sophomore standing; consent of departmental coordinator.

### ***FREN 4950 Selected Topics in French (Topics to be specified in Class Schedule) (1-5units).***

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 2011 Hmong for Hmong Speakers I (3 units).**  
Speakers of Hmong will learn to read and write Hmong, and to speak Hmong in the correct tone. Satisfies G.E. area C3. Prerequisite: Fluency in Hmong.

**HMNG 2012 Hmong for Hmong Speakers II (3 units).**  
Continuation of HMNG 2011. Speakers of Hmong will develop reading and writing skills in Hmong. Satisfies G.E. area C3. Prerequisite: HMNG 2011 or consent of instructor.

**HMNG 3010 Advanced Hmong Grammar and Composition I (3 units).**  
Oral and written practice of the language through class discussion of selected works, topics, or supplementary readings, and written compositions about related topics. Prerequisite: HMNG 2012 or consent of instructor.

**HMNG 3020 Advanced Hmong Grammar and Composition (3 units).**  
Continuation of HMNG 3010 including practice with the finer points of grammar, syntax, and written translation. Prerequisite: HMNG 3010 or equivalent or consent of instructor.

## 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.*

### Liberal Studies Concentration (Portuguese)

#### Requirements

1. Complete the following courses (6-12 units):  
PORT 2010 Intermediate Portuguese I, 3 units  
PORT 2020 Intermediate Portuguese II, 3 units, **or**  
equivalent, 0-6 units  
PORT 3010 Advanced Portuguese I, 3 units  
PORT 3020 Advanced Portuguese II, 3 units
2. Select two courses from the following (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 3420 Literature and Civilization in the Age of Discovery, 3 units  
PORT 3430 Literature of the 19th and 20th Centuries, 3 units
3. Select upper-division electives in Portuguese by advisement, 3-8 units

## Portuguese Course Descriptions

### **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) (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.

### **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, life-styles and major institutions. Taught in Portuguese. Prerequisite: PORT 2020 or consent of instructor.

### **PORT 3301 Survey of Portuguese Literature (3units).**

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 dealing with 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).**

A course designed for intermediate and advanced students interested in improving oral proficiency through free conversation and discussion of current cultural Portuguese issues. Prerequisite: PORT 2010 or consent of instructor.

### **PORT 3930 Survey of Portuguese and Brazilian Literatures in Translation (3 units).**

A presentation of major works and writers to reveal the interest and the originality of Portuguese and Brazilian literatures through the ages. Taught in English. Satisfies G.E. area F2.

### **PORT 4950 Selected Topics in Portuguese (1-5 units).**

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.

## 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):  
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
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 a minimum of nine units of additional upper-division Spanish course work, as approved by the major adviser.

#### The 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, Master of 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 124 units. The minor in Business Administration requires 33 units. By also taking BLW 2060 and OM 3010 students will have met the MBA foundation courses requirement. 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.

### Bachelor of Arts, Spanish

#### Requirements

#### (127-133 total program units)

1. Complete the following (first year, first semester, 16 units):  
ECON 2500 Principles of Macroeconomics, 3 units  
MATH 1500 Finite Math, 3 units  
SPAN 1010 Elementary Spanish I, 4 units  
General Education Area A1, 3 units  
General Education Area C1, 3 units
2. Complete the following (first year, second semester, 16 units):  
ECON 2510 Principles of Microeconomics 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
3. Complete the following (second year, first semester, 16 units):  
ACC 2110 Financial Accounting, 3 units  
BLW 2060 Business Law Environment and Ethics, 3 units  
CIS 2000 Introduction to Computer Information Systems, 3 units  
PHED 1010-1999 Physical Education Activities, 1 unit  
SPAN 2010 Intermediate Spanish I, 3 units, **or**  
SPAN 2011 Spanish for Native Speakers I, 3 units  
General Education Area A3, 3 units

4. Complete the following (second year, second semester, 14-16 units):  
SPAN 2020 Intermediate Spanish II, 3 units, **or**  
SPAN 2015 Spanish for Native Speakers II, 3 units  
CIS 3780 MIS and Microcomputers, 3 units  
ACC 2130 Managerial Accounting, 3 units  
General Education Area D1a, 3 units  
General Education Area B2, 2-4 units
5. Complete the following (third year, first semester, 15-17 units):  
SPAN 3010 Advanced Spanish I, 3 units  
MGT 3310 Management Theory and Practice, 3 units  
General Education Area B1, 3-5 units  
General Education Area F2, 3 units  
OM 3020 Management Science, 3 units
6. Complete the following during Winter Term, third year (3 units):  
ENGL 3007 Business and Technical Communications (WP), 3 units
7. Complete the following (third year, second semester, 15 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  
FIN 3220 Business Finance, 3 units  
General Education Area C2, 3 units  
MDIS 3400 Latin American Cultures, 3 units
8. Complete the following (fourth year, first semester, 15 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  
MKT 3410 Basic Marketing, 3 units
9. Complete the following elective during Winter Term, fourth year (3 units):  
SPAN 3930 Spanish/Latin-American Literature in Translation, 4 units, **or**  
SPAN 3970 Contemporary Latin-American Prose in Translation, 3 units
10. Complete the following (fourth year, second semester, 15 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  
OM 3010 Operations Management, 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

### Requirements (20 units)

1. Complete the following courses (0–6 units):  
SPAN 2010, 2020 Intermediate Spanish I, II, 0–6 units, **or**  
SPAN 2011, 2015 Spanish for the Native Speaker or equivalent, 0–6 units
2. Complete the following courses (6 units):  
SPAN 3010, 3020 Advanced Spanish I, II, 6 units
3. Complete 8–14 units of upper-division electives in Spanish by advisement.

## 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 "School 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

#### **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) (Fall)

#### **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) (Spring)

#### **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. The course is 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 1987 Basic Conversation: Adjunct (1 unit).**

A course 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. (Fall, Spring)

#### **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) (Fall)

#### **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. (Fall)

#### **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. (Spring)

#### **SPAN 2020 Intermediate Spanish II (3 units).**

Continuation of SPAN 2010. Satisfies G.E. area C3. Prerequisite: SPAN 2010 or equivalent. (CAN SPAN 10) (Spring)

#### **SPAN 2950 Selected Topics in Spanish**

**(Topic to be specified in Class Schedule) (1–5 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 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. (Fall)

#### **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. (Spring)

#### **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 (3units).**

A course dealing with the development of Spanish literature from its beginnings to 1700. This course also covers the history and civilization of the same period. Prerequisite: SPAN 3010 or consent of instructor. (Fall)

#### **SPAN 3210 Literature and Civilization of Spain II (3units).**

A course dealing with the development of Spanish literature from 1700 to the present time. This course also covers the history and civilization of the same period. Prerequisite: SPAN 3010 or consent of instructor. (Spring)

#### **SPAN 3300 Literature and Civilization of Spanish America I (3 units).**

A course dealing with the development of Spanish American literature from its beginnings to 1880. This course 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).**

A course dealing with the development of Spanish American literature from 1880 to the present. This course also covers the history and civilization of Spanish America during the same period. Prerequisite: SPAN 3010 or consent of instructor.

#### **SPAN 3520 Spanish Conversation (1 unit).**

A course designed to provide the participant the opportunity to develop a greater degree of oral spontaneity in the Spanish language. This course 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 3700 *La Literatura Femenina Hispánica* (3units).**

Special study in 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.

**SPAN 3800 *El Cuento Hispánico* (3 units).**

A course dealing with the 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).**

A course dealing with 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.

**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.

**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).**

A course dealing with the 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).**

A course with special focus on the development of the novel in Spain and/or Spanish America. Course content may vary from semester to semester. Conducted in Spanish. Prerequisite: Two years of college-level Spanish or consent of instructor.

**SPAN 4231 *La Novela de la Revolución Mexicana* (3units).**

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 4600 *Literatura Mexicana* (3 units).**

Authors of Mexico and their works from Cortes to the contemporary period. Prerequisite: SPAN 3010 or consent of instructor.

**SPAN 4810 *Linguistics and Language Instruction (WP)* (3units).**

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: passing score on WPST and SPAN 3010 or consent of instructor.

**SPAN 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 8 units depending upon departmental policy. Prerequisites: Sophomore standing and consent of departmental coordinator.

**SPAN 4950 *Selected Topics in Spanish* (Topics to be specified in Class Schedule) (1-5units).**

Topics vary each term; different topics may be taken for credit. Prerequisite: SPAN 3010 or consent of instructor.

**SPAN 4980 *Individual Study* (1–4 units).**

For students prepared for independent work and in need of advanced or specialized study. May be repeated for a total of 6 units. 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

Office: Library Building 105  
(209) 667-3254

Coordinator: Mary Cullinan

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. MDIS 1000 and LIBS 1000 cannot both be taken for credit.

#### ***MDIS 2000 Library Resources (2 units).***

A Library course in which basic library research is taught. Students will learn how to access information found in the various library collections by computer or through traditional sources. (Fall, Spring)

#### ***MDIS 2500 Leadership Development (2 unit).***

This course explores leadership theories and their applications in organizations, especially within a University context. Emphasis is placed on skill building through interactive learning and a service learning project. Prerequisite: Consent of instructor. (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.



Nicholas George, Biological Science Major

*“First-Year Experience (course) gives you a head start to college success!”*

—Nicholas George, Student

### **CAREER OPPORTUNITIES**

*Students from all majors benefit from the opportunity to practice their effective communication skills. Careers are diverse, including teachers, counselors, social service professionals, business managers, and health care professionals.*

## Upper Division

### **MDIS 3000 Introduction to Gerontology (3 units).**

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 or senior standing. (Offered alternate years)

### **MDIS 3010 Seminar in Community Learning (1 unit).**

A discussion seminar for students doing community service projects. The course will require 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 4400 Politics of the Environment (3 units).**

Study of environmental problems arising from human use of natural resources and of actions taken to deal with the problems. Will examine environmental policy. Satisfies G.E. area F3.

### **MDIS 4910 Cooperative Education (2–4 units).**

This course 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).**

This course 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).**

This course 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: MDIS 4930 or 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. Special Major thesis or projects. (Successful completion of research prospectus meets Graduate Writing Competency Requirement.) (Fall)

### **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. Special 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. Special Majors. May be repeated for a total of 6 units. Prerequisite: Consent of instructor and approval of major adviser. 

# Music

**Office:** Music Building 3  
(209) 667-3421

**Chair:** Edward C. Harris

**Faculty:** Robert Danziger, Edward C. Harris,  
Deborah H. Kavasch, James M. Klein,  
Stephen Thomas

**Emeritus Faculty:** Joseph E. Bruggman,  
Ginger Covert Colla,  
Sylvia M. Ghiglieri,  
David S. Goedecke

The Department of Music is a fully accredited Member of the National Association of Schools of Music. The Department offers both professional and liberal arts degree programs in music as well as courses which enrich the general education and cultural life of the University. The Bachelor of Arts in Music provides a humanistic approach to the study of music as a significant part of human tradition and culture. The Bachelor of Music is an intensive curriculum, designed for students wishing to study music for specific professional purposes or for students seeking to attain professional levels without necessarily planning to become professional musicians. The Bachelor of Music degree, with an emphasis 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 also 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

1. All students contemplating a major or minor in music are required to declare a major performing medium (voice, keyboard, or orchestral instrument) upon entering the program, and will take studio instruction in their major performing medium in accordance with the Degree Major in Music and the Degree Minor in Music. At the end of the first semester of study, all students must demonstrate minimum performance levels established by the Department of Music for the major. Fifth-year credential students are encouraged to continue studio instruction with permission of their applied music teacher.
2. Transfer students must be evaluated by the department before registering for their first semester on campus. This evaluation includes proficiency examinations in keyboard skills, sight singing, theory, and dictation. An assessment of performance abilities in the student's major performing medium will be made no later than the end of the first semester of studio instruction in accordance with the departmental requirement.
3. All music majors and minors will be evaluated by a committee at the end of each semester of applied study in their performing medium. Evaluation will be based upon the criteria set forth in their Bachelor of Music or Bachelor of Arts in Music program.



Jesse Tubb, Music Major

*“Music is food for the soul  
and our department has a  
bottomless well of  
nourishment. It is up to  
students to decide how  
hungry they are.”*

—Jesse Tubb, Student

## CAREER OPPORTUNITIES

*Conductor, soloist, composer, private teaching, music librarian, music therapy, music criticism, music publishing, opera, accompanist, recreation specialist, recording industry producer, arranger, copyist, studio performer, music education, music director, choir director, organist*

4. Students are required to perform in recital each semester, normally during the Directed Listening Recital Hour, as part of the required course in applied music.
5. Music majors are required to attend departmental recitals and concerts as announced at the beginning of each semester. Enrollment by all music majors in Directed Listening (MUS 2880 or 4880) is required each semester to fulfill this requirement (8 semesters minimum). Transfer students will be evaluated upon entry into the Music program for Directed Listening requirements. Music minors are required to register for Directed Listening (MUS 2880/4880) each semester of applied study only (4 semesters minimum).
6. Bachelor of Music majors are required to demonstrate an acceptable level of performance skill in both piano and voice. All majors must enroll in an appropriate piano course until their piano proficiency exam has been passed. Lower-division students must fulfill these requirements by the end of the sophomore year. Students transferring in at the upper-division level must complete these requirements by the end of the junior year. Class instruction is offered at the beginning level in both piano and voice. Students must consult their adviser for specific requirements.
7. Music majors are required to participate in the appropriate major performing group (Chorale, Wind Ensemble, Orchestra, and Chamber Singers) each term, utilizing their major performing medium. Keyboard and guitar majors normally enroll in Chorale as their major performing group. String performers must enroll in Orchestra; and all wind and percussion students must enroll in Wind Ensemble. Part-time music majors (taking fewer than 7 units per semester) must participate in the appropriate major performing group until they have completed 8 semester units (4 lower-division and 4 upper-division). Music minors are required to participate in the appropriate major performing group (Chorale, Wind Ensemble, Orchestra) for each semester that they are enrolled in applied studies.
8. All music majors must enroll in MUS 2000 Music of World Cultures, to fulfill the G.E. Area G requirement.
9. All music majors must pass a junior qualifying examination before registering for upper-division applied music.
10. To be approved for graduation, a music major must maintain a 2.0 GPA in all music course work. In addition, a student must earn a grade of C– or better in all music classes required for the Bachelor of Music degree and the Bachelor of Arts Music degree. All courses receiving a grade below C– in the major will not be considered a passing grade and the course must be repeated.
11. The Department of Music offers numerous scholarships based upon musical and scholastic performance as well as need. For scholarship information contact the Department of Music Office.

## Bachelor of Music

(Final approval of this program pending, Summer 1999)

The Bachelor of Music is an intensive curriculum, designed for students wishing to study music for specific professional purposes or for students seeking to attain professional levels without necessarily planning to become professional musicians. Emphasis areas within the program provide specialized study in music education (credential preparation), and in various performance areas. These specializations are intended to prepare students for graduate study or for various professional opportunities. The department expects every graduate of the professional degree program to demonstrate a significant technical and artistic level of accomplishment in at least one area of performance.

## Requirements

1. Complete a minimum of 132 units, including the University general requirements for a Bachelor's degree.
2. Complete the following prerequisites to the major (31 units):  
 MUS 1220, 1230 Theory I, II, 6 units  
 MUS 1320, 1330 Eartraining and Sightsinging I, II, 2 units  
 MUS 1610, 1640, 1670 Freshman Level Applied Study, 2 units  
 MUS 2000 Music of World Cultures, 3 units  
 MUS 2150 Introduction to Music Technology and Computers in Music, 1 unit, **or**  
 MUS 2160 Computers in Sound Synthesis and Music Instruction, 1 units (required for instrumental and choral music education majors)  
 MUS 2220 Chromatic Harmony, 3 units  
 MUS 2230 Twentieth Century Techniques, 3 units  
 MUS 2320, 2330 Eartraining and Sightsinging III, IV, 2 units  
 MUS 2400, 2410, 2440 Major Group Performance, 4 units  
 MUS 2610, 2640, 2670 Sophomore Level applied study, 2 units  
 MUS 2900 Music History and Literature I, 3 units
3. All Bachelor of Music students are required to participate in the appropriate major performing group (Chorale, Wind Ensemble, Orchestra, and Chamber Singers) each term, utilizing their major performing medium. Keyboard and guitar majors normally enroll in Chorale as their major performing group. String performers must enroll in Orchestra; and all wind and percussion students must enroll in Wind Ensemble. Part-time music majors (taking fewer than 7 units per semester) must participate in the appropriate major performing group until they have completed 8 semester units (4 lower-division and 4 upper-division). Music minors are required to participate in the appropriate major performing group (Chorale, Wind Ensemble, Orchestra) for each semester that they are enrolled in applied study.
4. Complete the major of not less than 41 upper-division units as approved by the major adviser; of these no more than eight units of CR-graded course work from courses graded exclusively CR/NC may apply toward the major.
5. Completion of a minor is not required.

### Junior Year Requirement

During the Junior year of study, all Bachelor of Music students with an emphasis in piano performance, instrumental performance, or vocal performance, must perform one-half of a public solo recital presenting thirty minutes of music literature.

### 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. The decision as to which option to follow will normally be made after the junior qualifying examination. All university music departments have a required listening component within their degree.

1. The Recital Track includes, in addition to the recital requirement, two semesters of applied study at the 4000 level and a faculty hearing of the recital material no later than one month before it is to be presented. Students intending to pursue the Recital Track must make that interest known at their final faculty hearing at the 3000 level of applied study. The recital itself will be a public presentation of a minimum of forty-five minutes of literature demonstrating a mastery of performance practices related to several style periods. The recital may include ensembles where the student's performing medium is featured. In all cases, faculty approval of the recital itself is a requisite for graduation. One unit of credit is earned through registering for MUS 4900, Senior Project (only during the term in which the recital is completed).

- Students selecting the Project Track must have successfully completed two semesters of applied study at the 3000 level. One additional year of senior study is required. 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 before the student registers for the first semester of the senior year. Unit credit for the project is earned through registering in MUS 4900, Senior Project (only during the term in which the project is completed).

**The Major (31-41 upper-division units minimum)**

- Complete the following courses (21 units minimum):  
 MUS 3100, 3200 Music History and Literature II, III, 6 units  
 MUS 3250 Eighteenth Century Counterpoint, 2 units  
 MUS 3260 Form and Analysis, 2 units  
 MUS 3270 Basic Conducting, 2 units  
 MUS 3610, 3640, 3670 Junior Level applied study, 2 units  
 MUS 4400, 4410, 4440 Major Group Performances, 4 units  
 MUS 4610, 4640, 4670 Senior Level applied study, 2 units  
 MUS 4900 Senior Recital or Project, 1 unit
- Under the direction of the major adviser, complete 20 units of study from one the following emphases:

**Emphasis: Piano Performance (20 units)**

*\*Major Repertoire*

- MUS 1611 Freshman Keyboard Major Repertoire, 2 units
- MUS 2611 Sophomore Keyboard Major Repertoire, 2 units
- MUS 3611 Junior Keyboard Major Repertoire, 2 units
- MUS 4611 Senior Keyboard Major Repertoire, 2 units
- MUS 1630 Basic Class Voice, 1 unit
- MUS 2500 or 4500 - Instrumental Chamber Ensemble, 1 unit
- MUS 3460 Harpsichord Literature, 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
- Electives as approved by adviser, 1 unit

**Emphasis: Music Education – Instrumental (20 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, 3 units
- MUS 3650 String Technique I, 1 unit
- MUS 3660 String Technique II, 1 unit
- MUS 3680 Instrumental Techniques I, II (Woodwind) (1 unit each), 2 units
- MUS 3680 Instrumental Techniques I, II (Brass and Percussion) (1 unit each), 2 units
- MUS 4290 Instrumental Conducting, 2 units
- MUS 4550 Instrumental Literature Seminar, 2 units

**Emphasis: Instrumental Performance (20 units)**

- MUS 1630 - Basic Class Voice, 1 unit

*\*Major Repertoire*

- MUS 1671 Freshman Instrumental Major Repertoire, 2 units
- MUS 2671 Sophomore Instrumental Major Repertoire, 2 units
- MUS 3671 Junior Instrumental Major Repertoire, 2 units
- MUS 4671 Senior Instrumental Major Repertoire, 2 units

- MUS 2500 or 4500 Instrumental Chamber Ensemble, 2 units
- MUS 3240 Orchestration, 2 units
- MUS 4290 Instrumental Conducting, 2 units
- Secondary Ensemble (to be selected from), 2 units*
- MUS 2480 or 4480 Jazz Ensemble, 1 unit
- MUS 2500 or 4500 Instrumental Chamber Ensemble, 1 unit
- Electives approved by adviser, 3 units

**Emphasis: Music Education – Choral (20 units)\*\***

- MUS 1620 Basic Class Guitar, 1 unit
- MUS 3340 Music in Elementary Schools, 3 units
- MUS 3370 Music in Secondary Schools, 3 units
- MUS 3645 Lyric Diction I, 1 unit
- MUS 3650 String Technique I, 1 unit
- MUS 3680 Instrumental Technique (Brass), 1 unit
- MUS 3680 Instrumental Technique (Woodwind Tech. I), 1 unit
- MUS 3680 Instrumental Technique (Percussion), 1 unit
- MUS 4280 Choral Conducting, 2 units
- MUS 4570 Choral Literature Seminar, 2 units
- MUS 4572 Secondary Choral Methods and Materials, 3 units
- Electives as approved by adviser, 1 unit

**Emphasis: Vocal Performance (20 units)**

*\*Major Repertoire*

- MUS 1641 Freshman Voice Major Repertoire, 2 units
- MUS 2641 Sophomore Voice Major Repertoire, 2 units
- MUS 3641 Junior Voice Major Repertoire, 2 units
- MUS 4641 Senior Voice Major Repertoire, 2 units
- MUS 2923 or 4923 Opera Scenes, 3 units
- MUS 3645 Lyric Diction I, 1 unit
- MUS 3646 Lyric Diction II, 1 unit
- MUS 4573 Vocal Literature and Pedagogy of Western Civilization, 3 units
- Electives, 4 units

Required Prerequisites	31
Major units	21
Area Emphasis	20
Total Required Units	72

*\* All students transferring into the department from a community college must take an applied music placement exam during the first week of classes. All lower division credits for Major Repertoire will be waived for community college transfers who successfully place above a freshman level in performance.*

*\*\* Music Education majors must complete MUS 2160 to satisfy Single Subject Waiver requirement in Music.*

## Bachelor of Arts, Music

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

### Requirements

1. Complete a minimum of 124 units including the University general requirements for a Bachelor's degree.
2. Complete the following prerequisites to the major (28 units):
  - MUS 1220, 1230 Theory I, II, 6 units
  - MUS 1320, 1330 Eartraining and Sightsinging I, II, 2 units
  - MUS 1610, 1640, 1670 Freshman Level applied study, 2 units
  - MUS 2000 Music in World Culture, 3 units
  - MUS 2150 Introduction to Music Technology and Computers in Music, 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, 2440 Major Group Performance, 4 units
  - MUS 2610, 2640, 2670 Sophomore Level applied study, 2 units
3. Complete the major of not less than 27 upper-division units as approved by the major adviser; of these 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 is not required.

### Senior Year Requirement

The degree Bachelor of Arts in Music is a four-year course of study culminating in the completion of a faculty approved project or the presentation of a senior recital. The decision as to which option to follow normally will be made after the junior qualifying examination.

Students pursuing the Project Track must have successfully completed two semesters of applied study at the 3000 level. One additional year of senior study is required. 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 before the student registers for the first semester of the senior year. Unit credit for the project is earned through registering in MUS 4900, Senior Project (only during the term in which the project is completed).

The Recital Track includes, in addition to the recital requirement, two semesters of applied study at the 4000 level and a faculty hearing of the recital material no later than one month before it is to be presented. Students intending to pursue the Recital Track must make that interest known at their final faculty hearing at the 3000 level of applied study. The recital itself will be a public presentation of a minimum of thirty minutes of literature demonstrating a mastery of performance practices related to several style periods. Students pursuing the Recital Track for the Bachelor of Arts in Music degree will present a half-recital in conjunction with another music student. The recital may include ensembles where the student's performing medium is featured. In all cases, faculty approval of the recital itself is a requisite for graduation. One unit of credit is earned through registering for MUS 4900 (only during the term in which the recital is completed).

## The Major (27 upper-division units minimum)

1. Complete the following courses (17 units minimum):
  - MUS 3100, 3200 Music History and Literature II, III, 6 units
  - MUS 3270 Basic Conducting, 2 units
  - MUS 3610, 3640, 3670 Junior Level applied study, 2-4 units
  - MUS 4400, 4410, 4440 Major Group Performances, 4 units
  - MUS 4610, 4640, 4670 Senior Level applied study, 0-2 units
  - MUS 4900 Senior Project or Senior Recital, 1 unit
2. Under the direction of the major adviser, complete 10 units of study from the following emphases:
  - a. Choral Emphasis (10 units)**
    - MUS 4280 Choral Conducting, 2 units
    - MUS 4570 Choral Literature Seminar, 2 units
    - Electives as approved by adviser, 6 units
  - b. Instrumental Emphasis (10 units)**
    - MUS 3240 Orchestration, 2 units
    - MUS 4290 Instrumental Conducting, 2 units
    - Electives as approved by adviser, 6 units
  - c. Keyboard Emphasis (10 units)**
    - MUS 3620 Accompanying, 2 units
    - MUS 4451 Piano Literature, 2 units
    - Electives as approved by adviser, 6 units
  - d. Composition Emphasis (10 units)**
    - MUS 3250 Eighteenth Century Counterpoint, 2 units
    - MUS 3260 Form and Analysis, 2 units
    - Electives as approved by adviser, 6 units
  - e. Jazz Studies Emphasis (10 units)**
    - MUS 2100 or 4100 Jazz Improvisation, 2 units
    - MUS 2300 or 4300 Jazz Arranging, 1 units
    - MUS 2480 or 4480 Jazz Ensemble, 1 units
    - Electives as approved by adviser, 6 units

Required Prerequisites	28 units
Major Units	17 units
Area Emphasis	10 units
Total Required Units	55 units

## The Minor - Requirements (24 units)

1. Complete 16 units of lower-division course work:
  - MUS 1220, 1230 Theory I, II, 6 units
  - MUS 1320, 1330 Eartraining and Sightsinging I, II, 2 units
  - MUS 1610, 1640, 1670 Freshman Level applied study, 2 units
  - MUS 2400, 2410, 2440 Major Group Performance, 4 units
  - MUS 2610, 2640, 2670 Sophomore Level applied study, 2 units

*Note: One or more of the above courses may be repeated as needed.*
2. Complete the following upper-division courses (6 units):
  - MUS 3100, 3200 Music History and Literature II, III, 6 units
3. Electives as approved by the minor adviser, 2 units.
4. All minors must enroll in Directed Listening (MUS 2880/4880) and an appropriate major performing ensemble during each semester of applied study. (See Department Requirements.)
5. Of the 24 units total, at least 8 must be in upper-division courses. See the department for further information.



## Liberal Studies Concentration

Complete a minimum of 20 units, including at least 15 units of upper-division courses.

### Requirements (20 units minimum)

- Complete a minimum of 5 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
- Complete a minimum of 15 units from the following courses:
  - MUS 3100 Music History and Literature II, 3 units
  - MUS 3200 Music History and Literature III, 3 units
  - MUS 3270 Basic Conducting, 2 units
  - MUS 3410 History of Jazz, 3 units
  - MUS 3340 Music in Elementary Schools, 3 units
  - MUS 3341 Music for the Classroom Teacher, 3 units
  - MUS 3400 American Music, 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

## 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. All students planning to enter the music single subject credential program must pass the Music Department Exit Exam to verify subject area competency prior to admission to the credential program. Please refer to the "School 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. Prerequisite: 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 departmental 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 departmental 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 departmental 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 and Computers in Music (1 unit).**

Introductory course with topics to include history overview, fundamentals of analog and digital music systems, and acoustics of music. Required by all music majors. Prerequisite: MUS 1230 or consent of instructor.

**MUS 2160 Computers in Sound Synthesis and Music Instruction (1 unit).**

Further use of computers to include hands-on work with MIDI, CAI, and CD-ROM. Required of all music education credential candidates and appropriate for composition students. Prerequisite: MUS 2150 or CS 4000.

**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 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 (1 unit).**

Study and performance of choral masterworks. Open to all students. A voice test will be given. 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 singing voice. (Fall, Spring)

**MUS 2430 University Chambers 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 (1 unit).**

Study and performance of materials for the wind band, and for various combinations of wind and percussion instruments. 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 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 (1unit).**

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 sonatinas, 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 (1unit).**

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 departmental 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 (1unit).**

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 departmental approval. (Fall, Spring)

**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 departmental 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 of selected non-Western cultures and Western European music history and literature spanning medieval and the Renaissance periods. Prerequisites: MUS 1220 and 1230 and consent of instructor. (Three semester rotation)

**MUS 2923 Opera Scenes (1 unit).**

This class 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 Baroque and Classical periods. Prerequisites: MUS 1220 and 1230 and consent of instructor. (Three semester rotation)

### **MUS 3200 Music History and Literature III (WP) (3units).**

A survey of music history and literature spanning the Romantic period and the twentieth century. Satisfies upper division writing proficiency requirement. Prerequisites: MUS 1220 and 1230 and consent of instructor. (Three semester rotation)

### **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 some other 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 some other 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: 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 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 departmental 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 departmental approval. (Fall, Spring)

### **MUS 3645 Lyric Diction I (1 unit).**

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. (Spring in alternating years)

### **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 (1unit).**

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 (1unit).**

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 departmental approval. (Fall, Spring)

**MUS 3680 Instrumental Techniques (1 unit).**

A four-term sequence covering all basic brass, woodwind, and percussion instruments for students planning to enter the teaching credentials program and for the music student who wishes to study a secondary musical instrument. May be repeated for a total of 4 units. Prerequisite: Consent of instructor. (Fall, Spring)

**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 4200 Composition (2 units).**

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 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 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 4400 Orchestra (1 unit).**

The 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 (1 unit).**

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 8 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 (1 unit).**

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 8 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 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 (1unit).**

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).**

The course will focus 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 4573 Vocal Literature and Pedagogy of Western Civilization (3 units).**

This class will serve as a survey of the vocal repertoire and provide a study of the basic elements of vocal pedagogy in Western Civilization. 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 departmental 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 departmental 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 (1unit).**

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 departmental 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).**

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 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).**

This class 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

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E-mail: [iworthington@stan.csustan.edu](mailto:iworthington@stan.csustan.edu)

Website: <http://www.csustan.edu/Nursing/index.htm>

Chair: June Boffman

Faculty: June Boffman, Nancy Clark, Diane Katsma, Paula LeVeck, Christine H. Souza

Emeritus  
Faculty: Jacqueline B. Johnson

The Department of Nursing offers the degree Bachelor of Science, Nursing. This program is accredited by the National League for Nursing (NLN).

## Bachelor of Science, Nursing

The nursing major provides registered nurses with the broadened educational base necessary both for professional practice and for pursuing a graduate education in nursing. Through this course of study, nurses can

- expand their scope of practice,
- function both independently and interdependently with other health care professionals in a wide variety of settings, **and**
- assume greater responsibility in meeting our society's present and future health care needs.

## Minimum Admission Requirements to the Upper-Division Nursing Major:

Students seeking to enter the program must have:

1. completed 60 semester units of baccalaureate-level transferable college credit,
2. completed an AD or Diploma in nursing with a minimum of 30 semester units of nursing course work, earning a C or better in each course,
3. completed at least half of the University's General Education breadth requirements, including college-level English composition, mathematics, and critical thinking,
4. completed an acceptable college-level chemistry course, equivalent to CHEM 1000, of at least 3 semester units with a grade of C or better,
5. a current license as a Registered Nurse in California,
6. admission to the University with an overall grade point average of 2.0 or better, **and**
7. admission to the Department of Nursing.

By the time classes begin and until graduation, students who are admitted to the nursing major must have individual professional malpractice insurance in force. The minimum coverages must be at least \$1,000,000 each claim and \$3,000,000 aggregate per year. See the *Nursing Student Handbook* for other liability and health requirements.



Karen, Sansky, Nursing Major

*“The CSU Stanislaus Nursing Program has renewed my love for nursing as an art, a science, and a profession.”*

—Karen Sansky, R.N.

### CAREER OPPORTUNITIES

*Public health nursing, inservice education departments, LVN school instructor, supervisory positions, home health nursing, hospice nursing*

The University reserves the right to limit the enrollment of students in the nursing major to available space and clinical facilities. Students need to be admitted to the Nursing major or have permission of the department chair/instructor in order to enroll in NURS 3100, 3200, or 3600.

## Continuance in the Nursing Major

Students must maintain a minimum grade of C– in courses constituting the nursing major. 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– 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 for reasons of unsafe practices at any time during the semester and receive a non-passing grade for the course. In order to continue in the nursing program, a student who is terminated from a clinical practicum must apply for readmission to the nursing program.

## Requirements

1. Complete requirements for the Bachelor of Science degree (51 units minimum).
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.

## The Major (35 units)

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, 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, 2 units

\* These courses may be challenged based on student preparation.

## Typical Student Program

### Full-Time Track Junior Level

Fall	Winter	Spring
NURS 3000 (3)	Electives	NURS 3310 (4)
NURS 3100 (3)		NURS 3700 (3)
NURS 3200 (3)		
NURS 3600 (3)		

Electives

### Full-Time Track Senior Level

Fall	Winter	Spring
NURS 4400 (3)	Electives	NURS 4010 (3)
NURS 4410 (3)		NURS 4210 (3)
NURS 4510 (2)		NURS 4220 (2)

Part-time tracks can be obtained from the Nursing Department.

*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: All courses are not offered every semester. Full-time students have priority for course enrollment.*

## Course Descriptions

### **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 life style changes. Persons will be studied in relation to their psycho-social-cultural and physiological needs. Satisfies G.E. area E1. (Lecture, 2 hours) (Fall, Spring)

### **NURS 2042 Better Health with Self-Care Activity (1unit).**

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 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 3100 Professional Nursing (3 units).**

Introduces professional nursing concepts and theories with an emphasis on the self-care model, nursing process, communication, and the teaching role. (Lecture, 3 hours) (Fall)

### **NURS 3200 Pathophysiological Concepts Applied to Nursing (3 units).**

Focus is on understanding human needs for self-care action, in health and health deviation states, based on scientific principles and concepts using the nursing process. (Lecture, 3 hours) (Fall)



**NURS 3310 Nursing Leadership and Management (4units).**

Focuses on the professional nursing roles of leader, manager, and change agent. Presents theories of leadership, management, organization, planned change, and power. Corequisite: NURS 3312. Prerequisite: NURS 3100. Recommended: CS 1000, CS 1500, CIS 2000, CS 4000, or CIS 3780; ENGL 2000 or PHIL 2000. (Lecture, 3 hours; activity, 2 hours) (Spring)

**NURS 3314 Nursing Leadership and Management Application (1 unit).**

Application of leadership and management principles in simulated and real health organizational situations. Focus is on solving problems frequently encountered in the context of leadership and management. Use of critical thinking is emphasized. Prerequisites: NURS 3310 and consent of instructor. (Not required after Spring 2000)

**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 (3units).**

(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 3000, 3100, and 3200, or consent of instructor. (Lecture, 3 hours) (Fall, Spring)

**NURS 4010 Issues Facing the Profession (3 units).**

Examines issues central to the profession of nursing. Ethics and historical perspectives provide the foundation for student proposals on the future direction of nursing. Advocacy and sociopolitical awareness for nurses is stressed. Prerequisites: Senior standing in the nursing major. (Lecture, 3 hours) (Fall, Spring)

**NURS 4210 Advanced Clinical Nursing Practicum (3units).**

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. Prerequisites: NURS 4510 and senior standing in nursing program. (Laboratory, 9 hours) (Spring)

**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. Prerequisites: NURS 4510. (Seminar, 2 hours) (Spring)

**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) (Winter, 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. Study of the problems and delivery of care occurs at several levels: individuals, family, community and society. The self-care approach is used in the analysis of health at each level. Prerequisites: NURS 3000 and 3100; completion of or concurrent enrollment in NURS 3200, 3310, and 3600. (Fall, Spring)

**NURS 4410 Community Health Nursing Practicum (3units).**

(Formerly NURS 3410) Clinical experience in community health agencies under the leadership of nursing faculty. Prerequisites: NURS 3000, 3100, and 3600; completion of or concurrent enrollment in NURS 3200, 3310, 3600, and 4400. (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) (2units).**

(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: NURS 3000, 3100, 3200, 3600, and satisfactory score on the WPST. Completion of or concurrent enrollment in NURS 3310, 4400, and 4410. (Fall)

**NURS 4600 NCAST II Nursing Child Assessment (4units).**

This course 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 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)

# Philosophy



Sonia Salim, Philosophy Major

*“It rocks your foundations,  
like an earthquake tearing  
up all that is grounded.  
This is a small price to pay  
for the rich and deep  
understanding you gain  
from studying philosophy.”*

—Sonia Salim, Student

## 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.

Office: Library 195

(209) 667-3361

Chair: James A. Tuedio

Faculty: Valerie Broin, Francois Raffoul, James A. Tuedio, Andrew Young

Emeritus

Faculty: William H. Hayes

The philosophy curriculum stresses development of critical reasoning skills at all stages of course work. We cultivate the skills required to engage in a careful reading and analysis of original philosophical texts, and we emphasize the study of writings that have historical significance (drawing from the early Greek and modern European traditions). We focus 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 our 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 meta-physical discourses), and critical approaches to the study and assessment of art and literature.

Many of our 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. We also discuss 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.

Our courses are designed to promote careful discussion of the relevance of ideas and positions. We stress the practice of sound reasoning techniques as a basis for discerning and defending philosophical principles. In our study of the historical conditions that sustain our beliefs, we emphasize reflective analysis of implications that follow from principled commitments.

## 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 26 upper-division units.

### The Major (26 units)

1. Complete the following courses (26 units):  
PHIL 3300 Theory of Knowledge, 4 units  
PHIL 3400 Ethics, 4 units  
PHIL 3500 Philosophy of Mind, 4 units  
PHIL 4200 Advanced Studies in the History of Philosophy, 4 units  
PHIL 4260 Twentieth Century Philosophy, 3 units  
PHIL 4450 Philosophy of Religion, 4 units, *or*  
PHIL 4500 Philosophy of Art, 4 units,  
PHIL 4960 Senior Seminar, 3 units, *or*  
PHIL 4990 Senior Thesis, 3 units

### The Minor

The philosophy minor is designed for students majoring in other fields who desire concentrated study in areas of philosophical thinking considered relevant to their personal or professional development.

### Requirements (17 units minimum)

Complete a minimum of 17 units of philosophy course work chosen in consultation with a department adviser. Of these 17 units, at least 11 units must represent upper-division course work (excluding "Classics of Western Philosophy," which may only be applied against the remaining six units of study if a student also wishes to count PHIL 1010 Introduction to Philosophy). Students will be encouraged to tailor their philosophy minor to emphasize philosophical issues and methods relevant to their field of interest or professional goals.

## Liberal Studies Concentration

### Requirements (20 units)

1. Complete 13 units distributed as follows:
  - a. PHIL 1010 Introduction to Philosophy, 3 units, *or* PHIL 2100 Logic, 3 units
  - b. PHIL 2200 Ancient Philosophy, 3 units, *or* PHIL 2230 Modern Philosophy, 3 units
  - c. PHIL 3300 Theory of Knowledge, 4 units, *or* PHIL 3400 Ethics, 4 units, *or* HIST 3891 The Oriental Mind, 3 units
  - d. PHIL 4260 20th Century Philosophy, 3 units
2. Complete seven units of upper-division electives, as approved by adviser.

## 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 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. 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. 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 will also 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 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 3300 Theory of Knowledge (4 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) (4 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: 3 units in philosophy and sophomore standing. (Winter)

### **PHIL 3500 Philosophy of Mind (WP) (4 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: 3 units in philosophy and sophomore standing.

### **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 Media, Communication, and Community: Philosophical Issues for Teachers (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 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) (4 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. This course may be repeated for credit, provided the focus and readings do not overlap previous course content. Satisfies upper division writing proficiency requirement. Prerequisites: 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 will also focus on the application of language theory to problems in the artificial intelligence movement. Prerequisite: PHIL 3300 or 3500.

### **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 like engineering, medicine, and law). Satisfies G.E. area F2. (Fall, Spring)

### **PHIL 4450 Philosophy of Religion (WP) (4 units).**

Analysis of religious concepts with emphasis on the logic of religious discourse. Significant focus on eastern religions. Satisfies upper division writing proficiency requirement. Prerequisites: Three units in philosophy and sophomore standing.

### **PHIL 4500 Philosophy of Art (WP) (4 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: One upper-division philosophy course or consent of instructor.

### **PHIL 4600 Philosophy and Feminism (3 units).**

(Same as WMST 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).**

This course will explore contemporary Latin American writings in several areas: the analysis of colonialism, including neo-colonialism and internal colonialism; cultural identity as an issue for ladinos, 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. (LIBS Integrative: Humanistic Inquiry)

**PHIL 4960 Senior Seminar (3 units).**

Reading and class discussion leading to the writing, oral presentation, and defense of a philosophical essay by each student. May be repeated once. Prerequisites: Three upper-division philosophy courses and consent of adviser required. (Spring)

**PHIL 4980 Individual Study (1–4 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 (1–4 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 and advanced course work in philosophy and consent of adviser.

**Postbaccalaureate****PHIL 5980 Individual Study (1–4 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.

*"I am still waiting for a philosophical physician in the exceptional sense of that word—one who has to pursue the problem of the total health of a people, time, race or of humanity—to muster the courage to push my suspicion to its limits and to risk the proposition: what was at stake in all philosophizing hitherto was not at all "truth" but something else—let us say, health, future, growth, power, life." —Friedrich Nietzsche* 

# Physics, Physical Sciences



Dana Willoughby, Physics Major

*“I find Physics intriguing because it is a beautiful marriage of precision and imagination. As Einstein once said, ‘Imagination is more important than knowledge’ ”.*

—Dana Willoughby, Student

## CAREER OPPORTUNITIES

Scientific research and development, or industrial work

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Chair: Marvin Johnson

E-mail: [physics@science.csustan.edu](mailto:physics@science.csustan.edu)

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

Faculty: Tai L. Chow, Marvin W. Johnson, Ian M. Littlewood, Lu Rose Zhang

Emeritus: James M. Goodwin.  
Faculty: Ervin H. Schwarcz

The Department of Physics 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 may also 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 physical sciences and in physics for the Bachelor of Arts degree in liberal studies is available. Students interested in a single subject credential in the sciences with a concentration in physics should see the paragraph on Teaching Credentials in this section.

## 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 can also be used to prepare for study in engineering. After completion, the student can transfer to engineering programs for upper-division course work and study in engineering.

## Requirements

- Complete University requirements for the Bachelor of Arts or Bachelor of Science degree (51 units minimum).
- Complete the following prerequisites to the major (32-35 units):
  - Required courses in major field:  
PHYS 2250, 2260 General Physics I, II, 8 units  
PHYS 2252, 2262 General Physics Laboratory I, II, 2 units
  - Required courses in supporting fields:  
CHEM 1100, 1110 Principles of Chemistry I, II, 10 units  
MATH 1410, 1420 Calculus I, II, 8 units  
MATH 2410 Multivariate Calculus, 4 units
- Complete the major of not less than 25 upper-division units as specified for the Bachelor of Arts degree, or 34 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.
- Completion of a minor is not required.

## The Bachelor of Arts Major (25 units)

- 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
- Complete at least three credit hours from the following courses:  
PHYS 4300 Microprocessor Electronics, 3 units  
PHYS 4302 Microprocessor Laboratory, 1 unit  
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 4300 Microprocessor Electronics, 3 units
- PHYS 4302 Microprocessor Laboratory, 1 unit
- PHYS 4370 Relativity and Cosmology, 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
- PHYS 4930 Lasers and Holography, 4 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

### Requirements (20 units)

- Complete the following lower-division courses (5 units):  
PHYS 2260 General Physics II, 4 units  
PHYS 2262 General Physics II Lab, 1 unit
- Complete a minimum of 15 units chosen from upper-division courses in physics upon advisement.

## 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 may also 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 Science" 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

1. Complete University requirements for the Bachelor of Arts degree (51 units minimum).
2. Complete the following prerequisites to the major (28 units):
  - a. 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
  - b. CHEM 1100, 1110 Principles of Chemistry I, II, 10 units
  - c. MATH 1410, 1420 Calculus I, II, 8 units
3. Complete the major of not less than 24 upper-division units of physical sciences.
4. No courses graded CR may be counted toward the major except for 8 units taken in courses graded exclusively CR/NC.
5. No minor is required.

## The Major

Complete upper-division courses of not less than 24 units by satisfying either 1 or 2 below:

1. 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.
2. The student may also 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)

1. Complete the upper-division requirements of the environmental science concentration, 13 units.
2. Select an additional 11 upper-division units of courses in consultation with the adviser.

## Earth and Space Sciences Concentration

### Requirements (24 units)

1. Select 12 units from the following:
  - ASTR 3000 Contemporary Astronomy, 3 units
  - ASTR 4200 Planetary and Space Science, 3 units
  - GEOL 3000 Physical and Environmental Geology, 4 units
  - GEOL 3100, 3110 Earth Science I, II, 6 units
  - GEOL 3400 Plate Tectonics, 4 units
  - GEOL 4300 Minerals and Crystals, 3 units
  - GEOL 4600 Geology of Petroleum, 3 units
2. 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)

1. Complete the following courses (13 units):
  - PHYS 3520 Modern Physics and Quantum Mechanics, 3 units
  - PHYS 4102 Advanced Physics Lab, 2 units
  - PHYS 4250 Analog and Digital Electronics, 4 units
  - PHYS 4930 Lasers and Holography, 4 units
2. Select 12 upper-division units in physical sciences or mathematics, in consultation with the adviser.

## The Minor in Physical Sciences

### Requirements (18 units)

Complete 18 units in physical sciences as approved by the minor adviser, to include at least eight units in upper-division.

## Liberal Studies Concentration in Physical Sciences

### Requirements (20 units)

1. Complete the following lower-division courses (5 units):
  - a. PHYS 2110 Basic Physics II, 5 units, with consent of adviser, *or*
  - b. PHYS 2260 General Physics II, 4 units, and PHYS 2262 General Physics Lab II, 1 unit
2. Select a minimum of 15 upper-division units chosen from physical science, astronomy, geology, or physics, with consent of the physical science adviser.

## 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

### 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 (4 units).**

Continuation of PHYS 2260, covering thermodynamics, waves, optics, and introductory quantum mechanics. Corequisite: PHYS 2274. Prerequisites: PHYS 2260 and MATH 1420. (Lecture, 3 hours; discussion, 1 hour) (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 (3units).**

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 Mathematical Physics II (3units).**

Continuation of PHYS 3010. Prerequisite: PHYS 3010. (Spring)

**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 3800 Fundamentals of Nuclear Energy (3units).**

An introduction to the concepts, principles, systems, and applications of nuclear processes; structure of atoms and nuclei; radioactivity, nuclear reactions, fission, fusion, nuclear systems, radioactive waste disposal, biological effects of radiation, and applications of nuclear radiation to biology, agriculture, art, and archeology. Satisfies G.E. area F1. Prerequisite: A lower-division science course. (Lecture, 3 hours)

**PHYS 4000 Modern Astrophysics (3 units).**

Application of modern physics to the study of stellar structure and stellar evolution; white dwarfs, neutron stars, pulsars and black holes; x-ray, gamma-ray, and gravitational radiation; quasars, formation of galaxy, and basic cosmological models. Prerequisite: PHYS 2110 or consent of instructor. (Lecture, 3 hours)

**PHYS 4102 Advanced Physics Laboratory (1 unit).**

Project type experiments in mechanics, heat, electricity, and magnetism, optics, atomic physics, nuclear physics, etc. Prerequisite: PHYS 3520 or consent of instructor. This course 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) This course is 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 4300 Microprocessor Electronics (3 units).**

Basic concepts and principles of microcomputer designs; microprocessor programming and operation; input and output; interfacing with other circuits, including analog-to-digital and digital-to-analog conversions. Prerequisite: PHYS 2260. (Lecture, 3 hours)

**PHYS 4302 Microprocessor Laboratory (1 unit).**

Laboratory to accompany PHYS 4300. Prerequisite: PHYS 4300 or concurrent enrollment in PHYS 4300.

**PHYS 4370 Relativity and Cosmology (3 units).**

Introduction to the physical basis and mathematical formulation of general relativity, experimental tests of general relativity, gravitational waves, gravitational collapse, cosmological implications of recent developments in general relativity. Prerequisite: PHYS 3520 or consent of instructor. (Lecture, 3 hours)

**PHYS 4400 Computer Simulation Methods in Physics (3 units).**

An introduction to computer simulation methods, with applications to physical systems. The course is organized with two weekly lectures in which the programming methods are presented. The lab is project-oriented and allows students the freedom to work at their own pace, and to pursue problems consistent with their own interests and background. Corequisite: PHYS 4402. Prerequisite: PHYS 2270. (Lecture, 2 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 4930 Lasers and Holography (4 units).**

Interference and coherent light, holographic recording and image reconstruction, properties of holograms and a geometric interpretation, semi-classical radiation fields, coherence theory, induced and spontaneous emission, theories and properties of lasers. Corequisite: PHYS 4932. Prerequisite: Upper-division standing or consent of instructor. (Lecture, 3 hours; laboratory, 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.

**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 (3units).**

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)

**PHSC 2200 Technology and Engineering (3 units).**

Introduction to the principles and practices of engineering. Measurement, analysis, and presentation of engineering data. Strengths of materials and their utilization in design. Demonstrations and lab exercises. Corequisite: PHSC 2203. Prerequisites: Algebra and trigonometry, MATH 0105, or passing score on ELM test or equivalent. (Lecture, 2 hours; activity, 2 hours)

**Physical Sciences: Upper Division****PHSC 3000 Energy, Ecology, and Environment (3units).**

Fundamental physical science aspects of environmental science. Topics include air pollution and associated atmospheric science, water pollution, nuclear energy and radioactive pollution, thermal pollution, and other environmental subjects. Prerequisite: Upper-division standing or consent of instructor. (Lecture, 3 hours)

**PHSC 3500 Solar and Other Alternative Energies (3units).**

Introduces the various techniques for utilizing solar energy and brings the students up to date on work to the present time on the broad spectrum of solar energy systems. Other alternative energy sources such as fission and fusion powers, geothermal energy, energy from the wind and from solid waste will also be included. Satisfies G.E. area F1. Prerequisite: Upper-division standing or consent of instructor. (Lecture, 4 hours)

**PHSC 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 8 units depending upon departmental policy. Prerequisites: Sophomore standing and consent of departmental coordinator.

**PHSC 4940 Physical Science Internship (1-4 units).**

For students in physics and physical science who wish to apply their educational experience to a practical situation in public or private agency. Prerequisites: Consent of the Internship Coordinator and upper-division standing.

**PHSC 4950 Selected Topics in Physical Sciences (Topics to be specified in Class Schedule) (1-5units).**

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 4960 Physical Sciences Seminar (1 unit).**

Presentation and discussion of selected topics in physical sciences from current literature. May be repeated for credit. Prerequisite: Consent of instructor.

**PHSC 4980 Individual Study (1-4 units).**

For students capable of independent work in need of advanced and specialized study. The Physical Sciences department encourages students to submit proposals in areas of their interest. Proposals should outline their projects and exhibit concrete plans for their successful completion. May be repeated for a total of 6 units. Prerequisites: Upper-division standing and consent of instructor.

**Astronomy: Lower Division****ASTR 2100 Descriptive Astronomy (3 units).**

Development of astronomical thought from Ptolemy to Einstein; the earth and the moon; atoms; light and the tools of astronomers; planets, comets, and meteors; the sun, stars, stellar evolution; galaxies and cosmology. Satisfies G.E. area B1. (Lecture, 3 hours) (Fall, Spring)

**ASTR 2112 Astronomy Laboratory (1 unit).**

Telescope observations of the moon, planets, their satellites, and sunspots. Laboratory experiments related to astronomy. Satisfies G.E. area B1. Prerequisite: ASTR 2100 or concurrent enrollment in ASTR 2100.


**Astronomy: Upper Division****ASTR 3000 Contemporary Astronomy (3 units).**

A survey of recent developments in astronomy; gamma ray, x-ray, ultraviolet, infrared, and gravitational astronomy; stars, interstellar molecules, stellar evolutions, neutron stars, pulsars, and black holes; galaxies, radio galaxies, quasars; new trends in cosmological thinking, new findings of space programs about the planets and the sun. Satisfies G.E. area F1. Prerequisite: Upper-division standing or consent of instructor. (Lecture, 3 hours)

**ASTR 4000 Astrophotography (2 units).**

Theory of the photographic process; astrophotography of the moon, planets, star clusters, and galaxies; photographic photometry; reduction of photographic data. Corequisite: ASTR 4002. (Lecture, 1 hour; activity, 2 hours)

**ASTR 4200 Planetary and Space Science (3 units).**

Study of the structure and origin of the planets and their atmosphere. Emphasis will be placed on new developments of NASA space programs. Prerequisite: ASTR 2100 or consent of instructor. (Lecture, 3 hours) 

# Politics and Public Administration



Angelina Ceja, Politics and Public Administration/Political Science Major

*“The faculty and staff in the Department of Politics and Public Administration give students guidance and support, making their college experience memorable.”*

—Angelina Ceja, Student

## **CAREER OPPORTUNITIES**

Government agencies: local, state, federal, and international;

Business management and government relations;

Non-profit organizations, teaching, journalism, law

**Office:** Classroom Building 132  
(209) 667-3388, Fax (209) 667-3724

**Chair:** Judith J. Hendricks

**Faculty:** As'ad AbuKhalil, Kenneth Entin, Lawrence L. Giventer, April A. Hejka-Ekins, Judith J. Hendricks, Steven W. Hughes, Susan MacDonald, Gary C. Shaw, John T. Wold

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, and Latin American 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, and political 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 adviser in the Department of Politics and Public Administration. The department suggests that prelaw students pursue an undergraduate program which provides (1) a knowledge of the foundations of human institutions and values; (2) a high degree of competency in analytical skills; and (3) effectiveness in comprehension and use of the English language.

Most law schools 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, and international business.

## 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 for 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 (30 units):
  - a. PSCI 3000 Ancient & Medieval Political Thought, 3 units, *or*  
PSCI 3010 Modern Political Thought, 3 units  
One 3000-level course from each of the following fields: American Politics, Comparative Politics, International Relations, 9 units  
Courses in Political Science as approved by major adviser, 18 units
  - b. Strongly recommended:  
PSCI 4600 Statistical Analysis for Politics, 4 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, 3 units  
PSCI 3030 American Political Thought, 3 units  
PSCI 3055 Marx on the Human Condition, 3 units  
PSCI 4040 Politics in the 21st Century, 3 units  
PSCI 4600 Statistical Analysis for Politics, 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 3304 Introduction to Public Administration, 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 4214 The Judicial Process, 4 units  
PSCI 4220 Simulation-Supreme Court Decision Making, 3 units  
PSCI 4230 The Chief Executive, 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 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 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  
PSCI 3450 Comparative Politics: Eastern Europe, 3 units  
PSCI 3470 Comparative Politics: Asia, 3 units

#### **International Relations**

- PSCI 3600 International Relations, 4 units  
PSCI 4640 Foreign Policy Issues, 3 units  
PSCI 4654 Politics of the Arab-Israeli Conflict, 4 units  
PSCI 4680 U.S.–Latin American Relations, 4 units

#### **Specialized Courses**

- PSCI 4950 Selected Topics in Political Science, 1-5 units  
PSCI 4980 Individual Study, 1-4 units

#### **Interdisciplinary**

- 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

- 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
- 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, 3 units  
One 3000-level course in International Relations, 3-4 units  
One 3000-level course in Comparative Politics, 3-4 units
  - Complete the following courses in the public administration core (16 units)
    - PSCI 3304 Introduction to Public Administration, 4 units
    - 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
  - 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 Chief Executive, 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
  - 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 America, 3 units
    - SOCL 4800 Formal Organizations in Modern Society, 3 units
  - 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)

- Complete the following courses (6 units):  
PSCI 1201 American Government, 3 units  
PSCI 2000 Introduction to Political Science, 3 units, **or**  
PSCI 2030 Global Politics, 3 units
- Complete upper-division courses as approved by the minor adviser for 13 units.

## Minor in Public Administration

### Requirements (22 units minimum)

- Complete the following course (3 units):  
PSCI 1201 American Government, 3 units
- Complete the following upper-division courses (19 units minimum):
  - PSCI 3304 Introduction to Public Administration, 4 units
  - Five of the following courses:  
PSCI 3030 American Political Thought, 3 units  
PSCI 4040 Politics in the 21st Century, 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  
PSCI 4600 Statistical Analysis for Politics, 4 units

## Liberal Studies Concentration in Political Science

### Requirements (20 units)

- Complete 20 units, including at least 15 upper-division units.
- Complete one of the following courses (3 units):  
PSCI 2000 Introduction to Political Science, 3 units, **or**  
PSCI 2030 Global Politics, 3 units
  - At least two upper-division courses selected from the area of Comparative/International Politics (6-8 units).
  - At least two upper-division courses selected from the area of American Politics (6-8 units).
  - Complete upper-division electives to complete the 20 units (1-5 units).

## Prelaw Courses

Prelaw Adviser: John T. Wold

Departmental majors contemplating a career in law should consider, in addition to the basic degree requirements, the following courses. The prelaw adviser will provide an additional list of complementary courses upon request.

### **American Politics (Public Law)**

- PSCI 3220 Constitutional Law, 4 units
- PSCI 3225 Civil Liberties, 4 units
- PSCI 4220 Simulation-Supreme Court Decision Making, 3 units
- PSCI 4311 Women in American Law, 3 units

### **American Politics**

- PSCI 3030 American Political Thought, 3 units
- PSCI 3210 Legislative Process, 3 units
- PSCI 3230 Political Parties and Interest Groups, 4 units
- PSCI 3235 Political Campaigns and Elections, 3 units
- PSCI 3320 Executive Legislative Relations, 3 units
- PSCI 3330 California Politics, 3 units
- PSCI 4214 The Judicial Process, 4 units
- PSCI 4230 The Chief Executive, 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

## 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 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).**

An introduction to 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 (3units).**

Historical development of political philosophy from ancient times to seventeenth century. 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: PSCI 1201.

#### **PSCI 3030 American Political Thought (3 units).**

Examination of 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).**

This course will examine the human condition from the perspective of Marx. The focus in the course will be on the relationship between the individual and society. Topics for consideration include capitalism, alienation, wealth and poverty, power and the powerless. The course will end with an examination of the individual in socialist societies. Satisfies G.E. area F3.

#### **PSCI 3210 Legislative Process (3 units).**

An examination of 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).**

A study of 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).**

An examination of 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 (4units).**

Study of 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 (3units).**

An examination of the principal features and consequences of American political campaigns; emphasis is placed on campaign strategies, the media; polling, contributions, and electoral outcomes. Prerequisite: PSCI 1201.

**PSCI 3250 Public Opinion and Voting Behavior (4units).**

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) (4units).**

(Formerly PSCI 3300) This course is 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: PSCI 1201.

**PSCI 3314 Corruption in Government (4 units).**

An exploration of 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).**

An examination of 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).**

A 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 (3units).**

This is an 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 (4units).**

A 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 (3units).**

A 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 WMST 3444) This course 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. The course 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 will also be covered.

**PSCI 3450 Comparative Politics: Eastern Europe (3units).**

An analysis of government, politics, and political development in Eastern European political systems. Prerequisite: PSCI 1201. (Fall)

**PSCI 3470 Comparative Politics: Asia (3 units).**

A 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).**

Introduction to 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 WMST 3700) This course will focus on the politics of ethnicity and gender. It will begin with a consideration of the Europatriarchal ideology underlying social relations in capitalist societies, investigate the impact of these relations on peoples experiencing colonization (Native Americans, African-Americans, Mexican-Americans, Asian-Americans, other "third world" peoples, and women everywhere) and discrimination because of sexual preferences, and conclude with critical perspectives arising out of contemporary liberation movements. Satisfies G.E. area G.

**PSCI 3810 Multicultural Community Building and Conflict Resolution (3units).**

Course 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.

**PSCI 4040 Politics in the 21st Century (3 units).**

An exploration of 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 4214 The Judicial Process (4 units).**

(Formerly PSCI 4210) A study of judicial decision-making and of the organization of the American court systems. Emphasis is placed on both the federal and state courts. The course 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).**

A 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 Chief Executive (3 units).**

A 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).**

The course 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 WMST 4305) This course deals with changes in the work environment resulting from the influx and upward mobility of women into professional positions. It will address 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 WMST 4311) This course is 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).**

The primary goals of this course 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).**

This course will address 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 4325 Land Use Planning (3 units).**

An examination of city and county land use policy making and issues in California. Course focuses 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 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).**

Examination of the political and policy implications of population movements and trends. To be taken concurrently with PSCI 4342. Prerequisite: PSCI 1201.

**PSCI 4342 Political Demography Lab (1 units).**

Computer application of demographic methods and principles, includes mapping of demographic data. To be taken concurrently with PSCI 4340.

**PSCI 4350 Government, Business, and the Economy (3 units).**

An examination of 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) This course will address 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 will deal with contemporary issues in international relations. This course may be repeated for credit once.

**PSCI 4650 International Relations: Model United Nations (2 units).**

This course prepares students for specializing in the foreign relations of a particular country. It is part of the requirements to represent the University in Model United Nations competition. The course will equip students with scholarly and political information and enable them to hone their debating skills. Prerequisites: Sophomore standing and PSCI 1201.

**PSCI 4654 Politics of the Arab-Israeli Conflict (4 units).**

This course offers a study of the origins and evolution of the Arab-Israeli conflict in its various dimensions. The course will include 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).***

An examination of the ways in which political activity and belief give shape to certain novels, particularly in America.

***PSCI 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 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 adviser.

## Graduate Studies in Public Administration Master of Public Administration (MPA) Program

Director: Lawrence L. Giventer

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 non-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 at two instructional centers—on-campus in Turlock and in Stockton.

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 2.5 in the last 60 semester units attempted.
3. Three letters of recommendation.
4. Evaluation and approval of application by the Graduate Studies Committee in Public Administration.
5. Applicants whose native language is not English will be required to demonstrate proficiency in English by completing the Test of English as a Foreign Language (TOEFL) with a score of 550 or above (with part-scores of at least 54) prior to being admitted to the program.

### 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 adviser.*

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 course with a grade below C may count toward completion of the required units for the MPA degree. A student who receives a grade lower than C will have this performance reviewed by the MPA Graduate Studies Committee and may be dropped from the program. A student who completes more than two courses with a grade C or below 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 program 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, non-profit organizations, or the offices of elected officials. An internship generally involves part-time work for at least six months with a public sector organization. The intern works on agency assignments under the supervision of agency personnel while maintaining close liaison with the faculty internship program coordinator. As a general rule, interns are 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 adviser 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 Organizations, Individuals, and Ethics, 3 units
  - PADM 5200 Public Agency Budgeting, 3 units

8. In addition to the above required courses, all students will complete a minimum of 21 elective units chosen in consultation with the adviser. Up to 12 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 4315 Public Policy Making, 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  
 GEOG 4350 Urban Geography, 4 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 adviser.*

## 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. Prerequisites: ECON 2500 or 2510 or consent of instructor.

### **PADM 5007 State and Local Public Finance (3 units).**

This course 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).**

A study of the basis of empirical research, and the collection and analysis of quantitative data for the purpose of decision making. Prerequisites: 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).**

A 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) Examination of 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).**

This course 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 Organizations, Individuals and Ethics (3 units).**

This course 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).**

This course 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).**

This course 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).**

This course 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 nonprofit organization settings. Prerequisites: CS 1000 or equivalent and classified standing in the MPA program. (Winter)

**PADM 5500 Administrative Law and Public Policy (3units).**

Examination of 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).**

An examination of the administrative, political, and fiscal dimensions of intergovernmental relations. Course 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).**

A seminar which 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).**

This course 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 (3units).**

An examination of 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 (3units).**

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).**

This course 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 5800 Seminar in Special Topics in Public Administration (1–5 units).**

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 5940 Public Administration Internship (3units).**

Study of the scholarly and field dimensions of employment in public sector. This course is designed for students who are serving as interns in public agencies. Prerequisite: Classified standing in the MPA program. (Spring)

**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 adviser.

**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.

# Psychology



Purvi Parikh, Psychology Major

*“Judgments sometimes made regarding others often develop through prejudices of our society. One must keep an open mind to appreciate the beauty of each unique individual.”*

—Scott McClure, Senior, Psychology Major

## 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

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Chair: Bruce E. Hesse

Faculty: Rita Ann Asher, Victoria Cortez, Susan Goodwyn, Bruce E. Hesse, Jane S. Howard, Marvalene Hughes, Thomas M. Kimlicka, Jamie McCreary, Cynthia L. Morgan, Lin S. Myers, Elizabeth Nelson, Todd D. Nelson, Gary D. Novak, Gina M. Pallotta, William Potter, Stanley E. Sherman, Harold Stanislaw, James A. Wakefield, Jr.

Emeritus

Faculty: W. Mack Goldsmith

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 and a concentration within Liberal Studies.

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

- Complete University requirements for the Bachelor of Arts degree (51 units minimum).
- Complete the following prerequisites to the major (6 units):
  - PSYC 2010 Introduction to Psychology, 3 units, **or** equivalent
  - PSYC 2020 Introduction to Psychological Methods, 3 units, **or** equivalent

*Note: This course is a prerequisite to many regular upper-division psychology courses.*

- Complete the following courses in supporting fields (7-8 units):
  - ANTH 2060 Introduction to Cultural Anthropology, 3 units, **or** COGS 2100 Introduction to Cognitive Studies, 3 units, **or** SOCL 1010 Introduction to Sociology, 3 units, **or** COMM 2011 Approaches to Human Communication, 4 units
  - BIOL 1010 Principles of Biology, 3 units, **and** BIOL 1020–1029 Special Laboratory Studies, 1 unit, **or** ZOOL 1050 Introduction to Zoology, 4 units
  - MATH 1600 Statistics, 4 units
- Complete the major of 30 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. In addition, no more than 6 units of CR-graded course work in courses graded exclusively CR/NC may apply toward the major (including Winter Term and field work).
- A maximum of 3 units of combined field work, internships, and cooperative education can be applied toward the psychology major.
- Students are permitted to complete the writing proficiency requirement through a Psychology course or one in any other discipline.

*Note: Completion of a minor is not required. Any student seeking an exemption from a Psychology Department requirement should consult with the major adviser and file a petition with the department chair.*

## The Major (30 units)

- Complete the following required courses (7 units):
  - PSYC 3000 Experimental Methods and Design, 4 units, **and**
  - PSYC 4020 History of Psychology, 3 units, **or** PSYC 4900 Advanced General Psychology, 3 units
- Complete a broad basic program with one course selected from each group below (12 units):
  - Fundamentals of Psychology*  
PSYC 3400 Introduction to Perception, 3 units  
PSYC 3700 Introduction to Learning and Motivation, 3 units  
PSYC 4400 Cognitive Processes, 3 units
  - Biological Bases of Psychology*  
PSYC 3090 Comparative Animal Behavior, 3 units  
PSYC 3100 Introduction to Physiological Psychology, 3 units  
PSYC 4110 Behavior Genetics, 3 units  
PSYC 4720 Experimental Analysis of Behavior, 3 units
  - Principles of Human Behavior*  
PSYC/CDEV 3140 Human Development I: Childhood, 3 units  
PSYC/CDEV 3240 Human Development II: Adolescence, 3 units  
PSYC 3310 Introduction to Social Psychology, 3 units  
PSYC 3320 Introduction to Personality, 3 units  
PSYC/CDEV 3340 Human Development III: Adulthood and Aging, 3 units

## d. Foundations of Applied Psychology

- PSYC 3160 Introduction to Psychological Testing, 3 units  
PSYC 3350 Introduction to Study of Abnormal Behavior, 3 units  
PSYC 3790 Introduction to Counseling Theory, 3 units
- Complete at least two laboratory courses in connection with the courses listed in Section 2. They may be selected from the courses listed below (2 units):  
PSYC 3080 Comparative Animal Behavior Laboratory, 1 unit  
PSYC 3102 Introduction to Physiological Psychology Laboratory, 1 unit  
PSYC 3120 Human Development Research Laboratory, 1 unit  
PSYC 3302 Personality and Social Psychology Laboratory, 1 unit  
PSYC 3410 Perception Laboratory, 1 unit  
PSYC 3710 Learning and Motivation Laboratory, 1 unit  
PSYC 4722 Experimental Analysis of Behavior Laboratory, 1 unit
  - Select upper-division electives with the assistance of the major adviser (9 units).

## Concentration in Developmental Psychology

The concentration in Developmental Psychology provides the opportunity to study human developmental processes from a psychological perspective. The concentration prepares students considering careers in child development centers, child welfare clinics, and related agencies. Moreover, it provides the academic background for those planning graduate work in Developmental Psychology and related fields. In addition to a firm grounding in basic psychology, the concentration extends psychological principles to various aspects of human development.

## Requirements (39 units)

- Complete the prerequisites to the major (6 units).
- Complete the requirements for a degree major in psychology with the following restrictions (30 units):
  - Human Development I must be taken in Section 2c.
  - Human Development Research Laboratory must be taken in Section 3.
  - Upper-division electives in Section 4 should be selected from the courses listed 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/CDEV 3240 Human Development II: Adolescence, 3 units  
PSYC/CDEV 3340 Human Development III: Adulthood and Aging, 3 units  
PSYC 4110 Behavior Genetics, 3 units  
PSYC 4130 Psychological Disorders of Children, 3 units  
PSYC 4150 Learning Disabilities, 3 units
- Complete three additional elective courses beyond those required for the major (9 units).

## Concentration in Experimental Psychology

This concentration is for the undergraduate psychology major who intends to pursue graduate training in the area of experimental or clinical psychology. It provides a strong background in the areas of statistics and experimental methodology, which are two areas required for admission by psychology graduate schools. In addition to methodology, the student is exposed to a 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 which greatly enhance the ability to conduct independent research, a requirement of all graduate programs.

### Requirements (39 units minimum)

1. Complete the prerequisites to the major (6 units).
2. Complete the requirements for the degree major in psychology with the following restrictions (30 units):
  - a. History of Psychology must be taken in Section 1.
  - b. Upper-division electives in Section 4 should be selected from the courses listed below:
    - PSYC 3090 Comparative Animal Behavior, 3 units
    - PSYC 3100 Introduction to Physiological Psychology, 4 units
    - PSYC/CDEV 3140 Human Development I: Childhood, 3 units
    - PSYC 3310 Introduction to Social Psychology, 3 units
    - PSYC 3400 Introduction to Perception, 3 units
    - PSYC 3700 Introduction to Learning and Motivation, 3 units
    - PSYC 4110 Behavior Genetics, 3 units
    - PSYC 4400 Cognitive Processes, 3 units
    - PSYC 4720 Experimental Analysis of Behavior, 3 units
3. Take one additional course in Section 2a and one additional course in Section 2b (6 units).
4. Complete Senior Thesis (PSYC 4990, 3 units), *or* take two additional laboratory courses (2–3 units).

## Degree Minor

### Requirements (18 units)

1. Complete the following lower-division courses (6 units):
  - PSYC 2010 Introduction to Psychology, 3 units
  - PSYC 2020 Introduction to Psychological Methods, 3 units
2. Complete a minimum of 12 units of upper-division psychology courses with one course selected from each of the following four groups within the psychology major. Of these, no more than 3 units of CR-graded course work (including Winter Term and field work) may be applied to the minor.
  - a. Fundamentals of Psychology
  - b. Biological Bases of Psychology
  - c. Principles of Human Behavior
  - d. Foundations of Applied Psychology

## Liberal Studies Concentration

### Requirements (18 units)

1. Complete PSYC 2020, Introduction to Psychological Methods, 3 units.
2. Complete a minimum of 15 units of upper-division psychology courses with at least one course selected from each of the following four groups within the psychology major:
  - a. Fundamentals of Psychology
  - b. Biological Bases of Psychology
  - c. Principles of Human Behavior
  - d. Foundations of Applied Psychology
3. No more than 3 units of CR-graded course work (including Winter Term and field work) may be applied to the concentration.

## Teaching Credentials

Psychology students interested in obtaining a single subject teaching credential are directed to the social sciences waiver in the "Social Sciences" section of this catalog. Please refer to the "School 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 Modern/Severe Disabilities

Students planning careers in the field of teaching exceptional children should consult with the credential adviser in the School 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 degree with a minimum of 16 approved semester units in psychology, including a background in experimental and research skills. These courses must be acceptable to the Psychology Graduate Committee in terms of course content and student performance.
2. A minimum 3.0 grade point average in the undergraduate major.
3. Satisfactory performance on the Graduate Record Exam General Test (GRE). Applicants are also required to show satisfactory performance on the Graduate Record Exam Subject Test in Psychology, but may delay this test. Contact the Graduate Coordinator for further information.
4. Choose an area of interest and a faculty member with whom you would like to work. After consultation with the faculty member, submit:
  - a. a brief description of a sample problem you 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 your Master's committee and will direct the research for your chosen project,
  - c. a list of all course work needed for completion of your 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 on the thesis research.
3. 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 (12 units):  
 PSYC 5010 Advanced Research Methods, 3 units  
 PSYC 5020 Advanced Statistical Analysis, 3 units  
 PSYC 5940 Field Work, 6 units  
 PSYC 5990 Master's Thesis, 1-3 units
  - b. Select the remaining 18 semester hours 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 also applies to any graduate work transferred from other institutions.*

### 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 clinical psychology (with a Behavior Analysis emphasis). The Behavior Analysis Program emphasizes applied behavior analysis and trains students for positions in a wide range of clinical settings. Students completing the Counseling Program or the Applied Behavior Analysis Program fulfill the academic requirements to sit for the Marriage, Family, and Child Counseling License examination. Admission to the program is competitive. See the Psychology Department's "Graduate Student Handbook" for additional information.

#### Minimum Prerequisites for Admission

1. A Bachelor of Arts or Bachelor of Science degree with 16 approved units in Psychology including Introduction to Psychology and a grade of B- or better in an upper-division experimental and research skills course. These courses must be acceptable to the Psychology Graduate Committee in terms of course content and student performance. Additional specific prerequisite courses for each concentration are outlined in the Psychology Department's "Graduate Student Handbook."
2. A minimum 3.0 grade point average in the undergraduate major.
3. Satisfactory performance on Graduate Record Examination (general and psychology portions).

4. Completion of a set of examinations which may be administered by the Psychology Department to determine those areas in which further preparation is required.
5. Approval by the Psychology Department.
6. Related work or volunteer experience strongly recommended.
7. Individuals who need to complete the minimal prerequisites may apply for postbaccalaureate status. Please refer to the catalog section "Graduate and Postbaccalaureate Application Procedures."

Students applying to the Behavior Analysis concentration (M.S.) are required to have an introductory course on learning theory and counseling techniques in addition to those courses required for all programs.

Students applying to the Counseling concentration (M.S.) are required to have the following courses in addition to those required for all programs:

1. An upper-division introduction to counseling theory course with a minimum grade of B (PSYC 3790 Counseling Theory, 3 units).
2. An upper-division introduction to abnormal psychology course with a minimum grade of B (PSYC 3350 Abnormal Psychology, 3 units).
3. An upper-division introduction to psychological testing course with a minimum grade of B (PSYC 3160 Introduction to Psychological Testing, 3 units).
4. An upper-division counseling technique course with a minimum grade of B (PSYC 4770 Introduction to Counseling Techniques, 3 units) emphasizing basic communications skill training.
5. An upper-division introduction to psychological methods (PSYC 3000 Experimental Methods and Design, 3 units) statistical techniques providing a working knowledge of fundamental scientific methods in psychology.

### 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 graduate study graded less than B- be counted towards a Master's degree.
4. Satisfactory completion of the Psychology Department's writing requirement.
5. 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 (51 units minimum)

1. Complete the appropriate 51 or more units or their equivalent.
2. Complete the 29 core units listed in the Basic Requirements Section as well as the requirements listed for the concentration to which they have been admitted.

*Note: Course requirements may be satisfied by demonstrating proficiency in the subject matter included in a required course. This will normally be done through challenge procedure or acceptable transfer credit.*

*Note: Field work is strongly encouraged. Contact a faculty adviser to discuss appropriate placements.*

*Note: Some modification to the below stated requirements may be made to accommodate new California educational requirements for the Marriage Family Child Counselor License and other program changes.*

## Basic Requirements (20 units)

PSYC 5010 Advanced Methods for Psychological Research, 3 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: Field work is strongly encouraged. Extra thesis units may be taken as appropriate. Students must register for thesis units during any semester in which they are working under direct faculty supervision*

## Concentrations

### **Behavior Analysis (29 units)**

PSYC 4550 Practicum with Exceptional Children, 3 units

PSYC 4720 Experimental Analysis of Behavior, 3 units

PSYC 4722 Experimental Analysis of Behavior Laboratory, 1 unit

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 Behaviorism as a Philosophy of Science, 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 Modification, 3 units

### **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 2000 Honors Introduction to Psychology (4units).**

This course offers a more in-depth introduction to the study of human behavior than that offered by basic introductory courses. Fulfills all prerequisites met by PSYC 2010. Laboratory activities and demonstrations accompany each unit of material. Corequisite: PSYC 2003. Prerequisites: Consent of instructor; advisement by Honors Program. (Lecture, 3 hours; laboratory, 2 hours)

#### **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 (3units).**

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.

#### **PSYC 2950 Selected Topics in Psychology (Topics to be specified in Class Schedule) (1-5 units).**

Development of a selected branch of psychology. Topics may vary each term. Different topics may be taken for credit. Prerequisites: Consent of instructor and PSYC 2010 or equivalent.

### Upper Division

#### **PSYC 3000 Experimental Methods and Design (4units).**

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 3080 Comparative Animal Behavior Laboratory (1 unit).**

Laboratory experiments and field observation will focus upon the ways in which different species deal with the basic biological problem of foraging and feeding, defense, and reproduction. Prerequisite: Prior or concurrent enrollment in PSYC 3090.

#### **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. Corequisite: PSYC 3102. Prerequisite: BIOL 1010 or ZOO 1050. (Lecture, 3 hours; laboratory, 3 hours)

#### **PSYC 3102 Introduction to Physiological Psychology Laboratory (1 unit).**

Laboratory experience and experiments designed to integrate neuroanatomy, neurophysiology, and physiological psychology. Lab includes activities such as sheep brain dissection, methodology, ethics of research, actual experience with laboratory animals, and scientific writing. Prerequisites: BIOL 1010 or ZOO 1050 and concurrent or prior enrollment in PSYC 3100 required.

#### **PSYC 3120 Human Development Research Laboratory (1 unit).**

Laboratory experience in the systematic observation of developmental phenomena in human behavior. Prerequisites: PSYC 2020 and concurrent or prior enrollment in PSYC 3140, 3240, or 3340 or consent of instructor.

#### **PSYC 3140 Human Development I: Childhood (3units).**

(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 (3units).**

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 (3units).**

(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. Prerequisites: PSYC 2010 or consent of instructor.

#### **PSYC 3302 Personality and Social Psychology Laboratory (1 unit).**

Laboratory and field studies in the areas of personality and social psychology. Students will gain research experience through group and/or individual projects. Prerequisites: PSYC 3000, 3310 or PSYC 3320 concurrently, or consent of instructor.

**PSYC 3310 Introduction to Social Psychology (3units).**

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 3410 Perception Laboratory (1 unit).**

Laboratory experience in phenomena related to perception and cognition. Prerequisites: PSYC 3000 and concurrent or prior enrollment in PSYC 3400 required.

**PSYC 3660 Psychology of Women (3 units).**

(Same as WMST 3660) This course 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 3710 Learning and Motivation Laboratory (1unit).**

Laboratory studies designed to demonstrate the type of phenomena investigated in the field of learning and motivation. Emphasis is placed on the experimental method used and interpretation of experimentally produced data. Prerequisites: PSYC 3000 and concurrent or prior enrollment in PSYC 3700, or consent of instructor.

**PSYC 3790 Introduction to Counseling Theory (3units).**

Introduction to major theories of counseling. Demonstrations and review of current literature. Prerequisite: PSYC 3320.

**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 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 4130 Psychological Disorders of Children (3units).**

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 4140 Child Abuse and Neglect (1 unit).**

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. Prerequisite: PSYC 3140 or consent of instructor.

**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 4320 Forensic Psychology (3 units).**

This course will explore 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).**

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.

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

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 4720 Experimental Analysis of Behavior (3units).**

The study of behavior principles, emphasizing respondent and operant conditioning, and their application in experimental research. Prerequisites: PSYC 2020 or consent of instructor and concurrent enrollment in PSYC 4722.

**PSYC 4722 Experimental Analysis of Behavior Laboratory (1unit).**

Laboratory studies with infra-human species to demonstrate the basic principles of behavior. Prerequisites: PSYC 2020 and 4720 or 4790.

**PSYC 4750 Applied Behavior Analysis in the Classroom (3 units).**

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 (3units).**

Training in basic counseling skills. Prerequisites: PSYC 3790, senior standing, and consent of instructor.

**PSYC 4790 Behavioral Engineering (3 units).**

The course 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 4800 Origins of Human Consciousness (3units).**

The origins of human consciousness are traced through both the biological and cultural histories of humanity. Prerequisites: Upper-division standing and consent of instructor.

**PSYC 4810 Social Psychology of Personal Relationships (WP) (3 units).**

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. Satisfies upper division writing proficiency requirement. Prerequisite: PSYC 3310 or consent of instructor.

**PSYC 4820 Group Dynamics: Theory and Application (WP) (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. Satisfies upper division writing proficiency requirement. Prerequisite: PSYC 3310 or consent of instructor.

**PSYC 4821 Group Dynamics Workshop (1 unit).**

An experiential introduction to group dynamics through a series of simulations. The objectives are 1) to increase awareness of group process, 2) to understand social psychological factors in group dynamics, and 3) to increase effectiveness in small groups. May be repeated for a total of 2 units. Prerequisite: 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).**

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 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.

## Graduate

### ***PSYC 5010 Advanced Methods for Psychological Research (2 units).***

This course examines the various methods used to study contemporary issues in psychology, and the strengths and weaknesses of each method. Prerequisite: PSYC 3000 or consent of instructor and graduate standing in Psychology.

### ***PSYC 5020 Advanced Statistical Analysis of Psychological Data (3 units).***

This course teaches students how to perform advanced analyses of data from psychological studies. Prerequisites: PSYC 5010 or consent of instructor and graduate standing in Psychology.

### ***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. Corequisite: PSYC 5042. Prerequisites: PSYC 3160, classified graduate standing, and consent of instructor.

### ***PSYC 5050 Psychodiagnostics II (3 units).***

Strategies of diagnostic evaluation with emphasis upon instruments for evaluation of intelligence, achievement, learning abilities, and emotional adjustment of preschool and school age children. Corequisite: PSYC 5060. Prerequisites: PSYC 3160, classified graduate standing, and consent of instructor.

### ***PSYC 5060 Psychodiagnostics II Laboratory (1 unit).***

Supervised work with the application of diagnostic strategies to representative cases. Corequisite: PSYC 5050.

### ***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 5050 and 5060 or PSYC 5090 and consent of instructor.

### ***PSYC 5080 Legal and Ethical Issues in Psychology and Counseling (3 units).***

This course 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 and PSYC 4790.

### ***PSYC 5130 Advanced Human Development (3units).***

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 (3units).***

(Formerly PSYC 5960) This course is 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 (3units)***

This course will teach 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 Behaviorism as a Philosophy of Science (3 units).***

(Formerly *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).***

This course covers child 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 units).***

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).***

This course will review, 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 master of science classified graduate standing.

**PSYC 5760 Chemical Abuse Counseling (1 unit).**

This course will review 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).**

This course will review 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. Undergraduate course in Marriage and Family recommended.

**PSYC 5810 Seminar in Group Counseling and Psychotherapy (3 units).**

This seminar course provides graduate students an overview of group counseling and psychotherapy processes, theory, 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 purposes 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 in-service training, and write assessment and treatment reports. Prerequisites: PSYC 5030, 5080, 5780, second year classified graduate standing and approval by Graduate Committee. Prior practical experience strongly recommended.

**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 Modification (3units).**

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 and consent of instructor. (Fall)

**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 (1-5units).**

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. 

# Social Sciences



Suzanne Montrie, Social Science Major

*“Diversity should always be a proud part of our lives. The Social Science department offers the opportunity to study this diversity in a wide range of human experience: the past, the present, and all that lies in between.”*

—Suzanne Montrie, Student

## CAREER OPPORTUNITIES

Students should discuss career opportunities with their adviser in their areas of concentration in the Social Science major.

Office: Classroom Building 215  
(209) 667-3127

Coordinator: Leon S. Pitman

The Bachelor of Arts, Social Sciences is an interdepartmental degree program consisting of courses in the following disciplines: Anthropology, Communication Studies, 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 adviser. 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, 3 units  
PSCI 2000 Introduction to Political Science, 3 units  
PSYC 2020 Introduction to Psychological Methods, 3 units  
SOCL 3030 Research Methods, 4 units  
SSCI 3010 Introduction to Social Science Methodology, 3 units
3. Select three of the disciplines listed below, completing the prerequisite courses for each. Then complete a minimum of 12 upper-division units in the first of the three disciplines and a minimum of 9 upper-division units in each of the two other disciplines, as approved by the adviser.



## Anthropology

- a. Prerequisite: ANTH 2060 Introduction to Cultural Anthropology, 3 units
- b. Select any upper-division courses, with the adviser's consent. Note additional prerequisites to certain courses. Options available 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, 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, 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

- b. Economics
  - ECON 2500 Macroeconomics, 3 units, **or**
  - ECON 2510 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 Modern Social Issues, 3 units
- ANTH 3010 The Great Discoveries, 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 3320 Native Peoples of Latin America, 3 units
- ANTH 3900 Women: A Cross-Cultural View, 3 units
- ANTH 4140 Urban Anthropology, 3 units
- ANTH 4150 Comparative 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 4120 Ethnomedical Anthropology, 3 units
- ANTH 4211 The World in Change, 3 units
- ANTH 4221 Folk Literature and Arts, 3 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 (Micro Economics), 3 units
- ECON 4335 Political Economy, 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

## 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

**History**

- HIST 3000 Introductory Seminar in History, 3 units  
 HIST 3090 Contemporary World History, 3 units  
 HIST 3230 Nineteenth Century Europe, 3 units  
 HIST 3240 Twentieth Century Europe, 3 units  
 HIST 3510 Latin America in Colonial Times, 3 units  
 HIST 3520 Latin American States Since Independence, 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 4330 Modern France, 3 units  
 HIST 4340 Modern Germany, 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 4500 History of Mexico, 3 units  
 HIST 4510 The United States and Latin America, 3 units  
 HIST 4600 American 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 4960 Directed Reading Seminar in History, 4 units  
 HIST 4980 Individual Study, 1-4 units

**Political Science**

- MDIS 4400 The Politics of the Environment, 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 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 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 Macroeconomics, 3 units
  - d. Complete one of the following research methods courses:
    - CS 1000 Introduction to Computers, 3 units
    - GEOG 3751 Introduction to Computer Applications in Geography, 3 units
    - SOCL 3030 Research Methods, 4 units
    - SSCI 3010 Introduction to Social Science Methodology, 3 units
3. The following courses are recommended but not required:
  - GEOG 3700 Cartography, 3 units
  - GEOG 4750 Geographic Information Systems, 3 units
  - MATH 1600 Statistics, 4 units
  - SOCL 4030 Research Analysis, 4 units
4. Complete the Urban and Community Studies concentration as outlined below.
5. Completion of a minor is not required.

**The Concentration (35 units minimum)**

Complete the Urban and Community Studies Concentration as outlined below:

1. Urban Environment, 9–10 units
  - ANTH 4140 Urban Anthropology, 3 units
  - ECON 4600 Urban Economics, 3 units
  - GEOG 4350 Urban Geography, 4 units
2. Urban Behavior, 3 units
  - SOCL 3200 Social 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 Changes, 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 Credential Preparation (Waiver) Program - 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 preparation (waiver) program.

In addition to this or an equivalent credential preparation (waiver) program, students must complete a bachelor degree.

Students completing this waiver 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 Science Major with the above concentration also count in this waiver program.

Students who successfully complete this program with a grade point average of at least 2.85 in their major will not need to take two exams.

**Students have the option of taking the exams** known as the **SSAT** and the **PRAXIS** exams. Students who pass both exams do not need to complete this or any other credential preparation waiver program in order to be accepted into a single subject credential program for social science. There is a fee for both of the exams and they are given on specific dates. For more information about these exams contact the CSU Stanislaus Credential Processing Center at P303, phone 667-3534.

Students planning to complete this waiver 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 this waiver and has met grade point average requirements.

## Requirements

**Total Units in the Program: (72-79)**

### The Core Curriculum (60-63 units)

#### Economics (9-10 units)

Complete both of the following or their equivalent (6 units):

- \*ECON 2500 Principles of Macroeconomics, 3 units
- \*ECON 2510 Principles of Microeconomics, 3 units

**\*Equivalent courses at many junior colleges may satisfy these requirements**

Complete one of the following (3-4 units):

- 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, 4 units (WP)

#### Geography (9 units)

##### a. World Geography

Complete both of the following or their equivalent (6 units):

- \*GEOG 2400 World Regional Geography I, 3 units
- \*GEOG 2410 World Regional Geography II, 3 units

**\*Equivalent courses at many junior colleges may satisfy these requirements**

##### 2b. American Geography

Complete the following (3 units):

- GEOG 3510 Geography of North America, 3 units

#### History (18 units)

##### a. World History

**Complete both of the following or their equivalent (6 units):**

- \*HIST 1010 World Civilizations I, 3 units
- \*HIST 1020 World Civilizations II, 3 units

**\* Equivalent courses at many junior colleges may satisfy these requirements**

##### b. American History

**Complete all of the following or their equivalent: (12 units)**

- \*HIST 3610 Colonial America, 3 units
- \*HIST 3620 Early National America, 3 units
- \*HIST 3630 America After the Civil War, 3 units
- \*HIST 3640 Contemporary America, 3 units

**\* Equivalent courses at many junior colleges may satisfy these requirements.**

#### Political Science (9 to 11 units)

##### United States Government and Politics

**a. Complete the following or their equivalent:**

- \*PSCI 1201 American Government, 3 units

**\* Equivalent courses at many junior colleges may satisfy these requirements.**

\* Available only to students in departmental internship program.

**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 Chief Executive, 3 units

**State of California Perspective (9 units)****Complete all 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 junior colleges may satisfy these requirement.****Behavioral Studies (3 units)\*\*****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

**\*\*See the Coordinator of Social Sciences for other courses that may satisfy the behavioral studies requirement****Social Sciences (3 units)\*****Complete the following on the teaching of history and social sciences:**

- SSCI 4961 Teaching Social Studies, 3 units

**Breadth and Perspectives Curriculum (12-16 units)****Ethical Perspectives****Complete one of the following or their equivalent: (3-4 units)**

- HIST 3400 The Great Teachings, 3 units  
 ANTH 4150 Comparative Religion, 4 units  
 PHIL 3400 Ethics (WP), 3 units

**American Ethnic and Gender Studies (3-4 units)****Complete one of the following:**

- ANTH 3000 Anthropology and Modern Social Issues, 3 units  
 COMM 4160 Intercultural Communications, 3 units  
 ETHS 4200 The Minority Experience, 3 units  
 ETHS 4350 Multiculturalism: From Bias to Reality, 3 units  
 HIST 3680 Women in American History, 3 units  
 HIST 3720 The American 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

**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 3010 Cultural Geography, 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 Latin American States Since Independence, 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  
 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 2970 Selected Topics During Winter Term (4 units).****SSCI 3000 Library Resources for the Social Sciences (2 units).**

A survey of the various library resources necessary for research in the social sciences, e.g. abstracts, indexes, bibliographies, dictionaries, encyclopedias, handbooks, government documents, newspapers, and periodicals; together with footnote and bibliographical citation techniques. (Fall, Spring)

**SSCI 3010 Introduction to 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).**

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 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).**

This course is 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



Juanita Cardona, Master of Social Work Graduate

*“By investing in our children’s education and physical and emotional well-being today, we can successfully ensure a brighter and healthier future for tomorrow.”*

—Juanita Cardona, Student

## 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

Office: Demergasso-Bava Hall 122  
(209) 667-3091

Chair: Ellen Dunbar

Faculty: Mayling M. Chu, Ellen Dunbar, Charles Floyd, John A. Garcia, Pamela Marques, Margaret A. Tynan

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

The mission of the Master of Social Work at California State University, Stanislaus is to provide *social work education that is accessible* to people in the University's service region and provide social workers to staff the major service systems in the region. As a public institution the Social Work Program has a special mission to meet the educational needs of students representing a *culturally diverse* population. The University recognizes the unique aspects of its six county service region and intends to provide an educational focus committed to preparing master's level social workers for practice in the complex environment of public and private settings with an emphasis on serving both *rural and urban* underserved populations. Recognizing the tremendous demographic diversity, widespread poverty, and growing ethnic populations, the Social Work Program provides a curriculum to prepare social workers for *integrative practice* with ability to respond to complex needs, perform a multiplicity of roles, and use effective system interventions, in *community based collaborative contexts*.

## Goals

To achieve this mission the program goals are as follows:

1. Prepare social work practitioners capable of autonomous practice with culturally diverse populations across all sized systems.
2. Prepare advanced social work practitioners for service within the major public and private social service systems in the region.
3. Promote social work practice in a community based collaborative context.
4. Offer both full and part time courses of study toward an MSW in order to be accessible to people in the region, with special emphasis on accessibility to a diverse population.
5. Prepare competent and effective social workers who are committed to serving and advocating for the special needs of rural and urban underserved, poor and oppressed populations.
6. Prepare social workers to be competent in integrative methods of practice and be able to work with all levels of systems from the individual to the community.
7. Prepare social workers to do program evaluation and critical analysis of agency policy and operations.
8. Prepare social work practitioners to carry out critical self-analysis and self-evaluation.
9. Prepare social workers to know, and operate within, the ethics of the profession.
10. Prepare social workers to carry out social work functions, using modern technology and electronic systems for communication, data management, and case management.
11. Provide community service, including consultation, advocacy, public education, and program development to strengthen the profession and the social service system within the University's service region.
12. Enhance the professional practice of social work in the region through community and professional education.

## Electives

Social Work students may select from the following electives to complete their 60 required units. Electives must relate to the student's concentration. Additional electives will be developed and will be listed in future catalogs.

- SW 5012 Social Work Treatment and Case Management of the Mentally Disabled, 3 units
- SW 5013 Social Work Practice with Death, Grief, and Loss, 2 units
- SW 5015 Principles of Management in the Human Services, 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 Social Work Practice with Women, 3 units
- SW 5070 Social Work Practice with Groups, 3 units

## Course Descriptions

### **SW 5000 Social Welfare Policy (3 units).**

Historical development and overview of major social welfare programs and contemporary models of policy analysis. Prerequisites: Classified graduate standing and consent of instructor. (Fall)

### **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 to 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).**

This course 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 Treatment and Case Management of the Mentally Disabled (3 units).**

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 (2 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 5015 Principles of Management in the Human Services (3 units).**

Study of the role of administration of formal organizations in the delivery of human services. Prerequisites: SW 5000 and consent of instructor.

**SW 5020 Social Work Research Methodology (3units).**

This course will introduce 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 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 Social Work Practice, Policy, and Services with Adults 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 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, Policy, and Services for Children 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 and Policy, Adults II (4units).**

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).**

This course is 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).**

This course 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 (2units).**

This course is 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).**

This course is 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 5052 Social Work with Family Systems (2-3 units).**

This course provides an integration of family systems, theory, and practice as applicable to social work with families. It emphasizes practice skills utilizing lecture, video tapes, and discussion of practice experience.

**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 Social Work Practice with Women (3 units).**

Advanced practice seminar on concepts and theories of feminism and effects of sexism in contemporary American society; implications for practice, modalities, service delivery systems, and social policy. Prerequisite: Completion of SW 5030 or consent of instructor.

**SW 5055 Social Work Practice: Substance Abuse (2 units).**

This course 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 5070 Social Work Practice with Groups (3 units).**

This advanced practice course focuses on the theory and practice of social work with a range of different kinds of small groups. The course includes content on task groups developed for the purpose of social and organizational change and treatment groups organized for the benefit of the members. Prerequisites: SW 5030, 5031, 5011 or consent of instructor.

**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 (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 4 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 (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 4 units. Prerequisites: Completion of SW 5020 and 5050 and eligible to advance to candidacy. ■

# Sociology



Eric Anderson, Sociology Major

*“I have been very fortunate to have come into contact with great friends and great teachers in the Sociology Department who have supported me and helped me excel as a student.”*

— Eric Anderson, Student

## CAREER OPPORTUNITIES

Political parties, corporations, churches, newspapers, school systems, hospitals, social service agencies, correction-probation, law enforcement, government agencies, research, rehabilitation, industry and business, California Youth Authority, human service agencies, private agencies, re-entry programs, YWCA/YMCA

**Office:** Classroom Building 213  
(209) 667-3408

**Chair:** George D. Muedeking

**Faculty:** Donald W. Bowers, Chau-Pu Chiang, Walter E. Doraz, Rhoda E. Macdonald, George D. Muedeking, Paul W. O'Brien, James Payne, Agnes Riedmann, Cecil A. Rhodes, Stephen J. Schoenthaler

The Department of Sociology/Criminal Justice offers the Bachelor of Arts degrees in Sociology and Criminal Justice with an optional course concentration in Human Services for sociology majors and concentrations in Law Enforcement and Corrections for criminal justice majors. (See the “Criminal Justice” section of this catalog for criminal justice degree program requirements and course descriptions.) In addition, liberal studies and social science 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 eight units of CR-graded course work in courses graded exclusively CR/NC may apply toward the major. Maintain an average 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, 4 units  
SOCL 3400 Contemporary Theory, 4 units  
SOCL 4030 Research Analysis, 4 units
2. Select one of the following options (21–22 units):
  - a. **General Major Option (22 units)**
    - i. Complete SOCL 4960 (Senior Seminar), 4 units
    - ii. Select 18 units of upper-division sociology electives as approved by major adviser.
  - b. **Human Services Concentration (21 units)**
    - i. Complete the following required courses for the concentration (12 units):  
SOCL 4790 Social Welfare Services, 3 units  
SOCL 4800 Formal Organizations in Modern Society, 3 units  
SOCL 4940 Sociological Internship, 6 units
    - ii. Select one course from the following group (3 units):  
SOCL 3150 The Family, 3 units  
SOCL 3160 Sociology of Youth, 3 units  
SOCL 3170 Sociology of Sex Roles, 3 units
    - iii. Select at least two courses from the following group (6 units):  
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

### Criminal Justice Major (See “Criminal Justice” section).

### 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 nine units of upper-division electives approved by the adviser.

## Liberal Studies Concentration

### Requirements (20 units)

Liberal Studies majors with a concentration in sociology must complete 20 units of sociology courses including 15 units of upper-division courses; three of these courses must be selected from the following: SOCL 3150, The Family; SOCL 3240, Social Deviance; SOCL 4730, Alcohol and Alcoholism; SOCL 4750, Sociology of Drug Use; SOCL 4920, Nutrition and Behavior; SOCL 4800, Formal Organizations and Modern Society, and SOCL 4010, Race and Ethnic Relations.

### Teaching Credentials

Majors in sociology interested in a social sciences waiver for a single subject credential should review the social sciences waiver described in the “Social Sciences” section of this catalog. Please refer to the “School 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 (2 units).**

Provide 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 WMST 2010) This course examines a variety of approaches to understanding sexual behavior. Typical patterns of sexual interactions will be contrasted with deviant sex styles. The course will present a wide range of conflicting viewpoints on some of the most controversial issues today including abortion, sex education, and AIDS. Prerequisite: SOCL 1010. (Fall)

### 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 report. Satisfies upper division writing proficiency requirement. Corequisite: SOCL 3033. Prerequisite: SOCL 1010 or equivalent. (Lecture, 3 hours; activity, 2 hours) (Fall)

**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.

**SOCL 3160 Sociology of Youth (3 units).**

Sociological analysis of the development of self and the socialization of the child and youth in sex and age roles. Prerequisite: SOCL 1010.

**SOCL 3170 Sociology of Sex Roles (3 units).**

Primarily analyzes the differences in women's and men's roles in the U.S. today. Major issues addressed include sex role socialization, the media's portrayal of sex roles, differences in gender roles in the workplace, and interpersonal dynamics involved in friendships between members of the opposite sex. The course will also trace 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).**

This course will 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 behavior generates 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 who 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. The course will feature field experiences to give students experimental knowledge. Satisfies G.E. area G. Prerequisite: SOCL 1010 or consent of instructor.

**SOCL 3310 Social Stratification (3 units).**

Origins, characteristics, and functions of social castes and classes; emphasis on recent research and theoretical developments. Prerequisite: SOCL 1010 or consent of instructor.

**SOCL 3330 Social Organization in a Traditional Society (3 units).**

This course 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.

**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 (3 units).**

Is population a problem in contemporary America? An examination of the effects of rapid population growth and its relationship to the rapid depletion of renewable and nonrenewable resources both now and in the future. Prerequisite: SOCL 1010 or consent of instructor.

**SOCL 3530 Self and Social Behavior (4 units).**

This course examines the social underpinnings which contribute to the development of the self. The course is a seminar and an activity in which students keep a journal, engage in self observations 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 Sex Roles and Power (4 units).**

This course will examine the relationships between men and women, and the uses of specific sex-role behavior as a manipulation device in the "Battle of the Sexes." Comparative and descriptive films will be used to demonstrate sexual conflict and cooperation. Pre-film and post-film lectures and discussions will evaluate the illustrative material. Prerequisite: Consent of instructor.

**SOCL 3630 Tenderloin Lifestyles (4 units).**

This course 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).**

This course will examine 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. Course will analyze the relationship between school and local community from a sociological framework and provide methods, concepts, and theories to examine school/community interrelationship. Designed specifically for future teachers. (LIBS Integrative: Social Inquiry)

**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. Prerequisites: SOCL 1010 or consent of instructor.

**SOCL 4020 Sociology of Small Group Dynamics (3units).**

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 (3units).**

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).**

This course 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).**

This course will familiarize 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 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.

**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. This course is 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) 

# Women's Studies

Minor/Concentration within the  
Liberal Studies Major

Office: Classroom Building 240B  
(209) 667-3347

Chair: Richard L. Luevano

Coordinator: Renny T. Christopher

Faculty: Judith J. Hendricks,  
Susan Middleton-Keirn

The women's studies minor examines women's roles in modern society. The core courses focus directly on the experiences, concerns, and accomplishments of women. 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.

This program is designed (1) to provide support and assistance to students who wish to specialize in women's issues, and (2) to provide a coherent academic program in women's studies which is well integrated with other disciplines and departments.

## The Minor

### Requirements (18 units)

1. Complete the required core courses WMST 3000, Women's Studies Colloquium, 3 units and WMST 2020, Introduction to Women's Studies, 3 units.
2. Select nine units of other core courses listed below:
  - WMST 2500 Women's Development and Lifestyle Choices, 3 units
  - WMST/ETHS 3200 Gender Roles in the Chicano Community, 3 units
  - WMST 3550 Society and Gender, 3 units
  - WMST/HIST 3680 Women in American History, 3 units
  - WMST/ANTH 3900 Women: A Cross-Cultural View, 3 units
  - WMST/ETHS 4020 The African American Woman: Soul Sister, 4 units
  - WMST/PSCI 4305 Gender Politics at Work, 3 units
  - WMST/PSCI 4311 Women in American Law, 3 units
3. Select 3 units of electives as listed below. Courses listed in the core but not used as part of the nine-unit requirement may also be selected as electives. Many additional courses may be approved for elective credit by the Women's Studies Chair if taken in conjunction with one unit of Independent Study. The additional unit of study must be directed towards exploring the implications of the course material for understanding sex roles and women's issues.
  - WMST/SOCL 2010 Sociology of Sexual Behavior, 3 units
  - WMST/ETHS 3200 Gender Roles in the Chicano Community, 3 units
  - WMST/PSCI 3444 Gender and Sexuality in the Middle East, 4 units
  - WMST/PSYC 3660 Psychology of Women, 3 units
  - WMST/PSCI 3700 Ethnic and Gender Politics, 4 units



Jennifer Dow, Liberal Studies Major/Women's Studies Minor

*“The Women's Studies program is a valuable addition to any academic pursuit. The professors are wonderful and the program itself is challenging. Together they promote a kind of personal growth that should be at the heart of education.”*

—Jennifer Dow, Student

### CAREER OPPORTUNITIES

A women's studies minor furthers any career choice. Women are greatly benefited by exposure to analysis and study of the way in which women experience the various aspects of their lives, including their careers, and the way in which careers impact home and leisure. Men also benefit from women's studies courses, as the job world increasingly reflects women's entry into positions once exclusively occupied by men, and men too, benefit by exposure to the way they experience the various aspects of their lives.

WMST/PHED 3750 Women in Sport, 3 units  
 WMST/ENGL 3950 International Non-European Women Authors, 3 units  
 WMST/ETHS 4000 The Mexican American Family, 3 units  
 WMST/ETHS 4010 The African American Family, 3 units  
 WMST/COMM 4040 Gender Communication, 3 units  
 WMST 4303 Women's Spirituality: Application, 1 unit  
 WMST 4304 Women's Spirituality: A Theological View, 2 units  
 WMST/ETHS 4350 Multiculturalism: From Bias to Reality, 3 units  
 WMST/ENGL 4510 British Women Authors, 3 units  
 WMST/ENGL 4520 American Women Authors, 3 units  
 WMST/ENGL 4600 Philosophy and Feminism, 3 units

*Note: Other applicable courses are offered from time to time. These substitutions will be approved by the Chair of the Ethnic and Women's Studies Department.*

## Liberal Studies Concentration

### Requirements (21 units minimum)

1. Complete the following required core courses (12 units):  
 WMST 2020 Introduction to Women's Studies, 3 units  
 WMST 3000 Women's Studies Colloquium, 3 units  
 WMST 3550 Society and Gender, 3 units  
 WMST/HIST 3680 Women in American History, 3 units
2. Select a minimum of 9 units of elective on advisement.

## Course Descriptions

### Lower Division

**WMST 2010 Sociology of Sexual Behavior (3 units).**  
 (Same as SOCL 2010) The course examines a variety of approaches to understanding sexual behavior. Typical patterns of sexual interactions will be contrasted with deviant sex styles. The course will present a wide range of conflicting viewpoints on some of the most controversial issues today including abortion, sex education, and AIDS. Prerequisite: SOCL 1010.

### **WMST 2020 Introduction to Women's Studies (3units).**

An introduction to the political, literary, and critical history of feminist thinking and women's rights. The course will seek 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)

### **WMST 2500 Women's Development and Lifestyle Choices (3 units).**

The course 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. (Fall)

### Upper Division

**WMST 3000 Women's Studies Colloquium (3 units).**  
 (Formerly MDIS 4000) An in-depth examination of current issues contemporary women face. Students will hear selected topics presented by our guest lecturers who have firsthand knowledge of the issues being addressed. Textbook readings and selected journal articles provide a framework for discussions. (Spring)

### **WMST 3200 Gender Roles in the Chicano Community (3units).**

(Formerly *Chicanas in Society and Culture*) (Same as ETHS 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.

### **WMST 3444 Gender and Sexuality in the Middle East (4 units).**

(Same as PSCI 3444) This course 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. The course 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 will also be covered.

### **WMST 3550 Society and Gender (3 units).**

This course is 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)

### **WMST 3660 Psychology of Women (3 units).**

(Same as PSYC 3660) This course 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)

### **WMST 3680 Women in American 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.

### **WMST 3700 Ethnic and Gender Politics (4 units).**

(Same as PSCI 3700) This course will focus on the politics of ethnicity and gender. It will begin with a consideration of the Europatriarchal ideology underlying social relations in capitalist societies, investigate the impact on the relations on peoples experiencing colonization (Native Americans, Afro-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.

### **WMST 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.

### **WMST 3900 Women: A Cross-Cultural View (3 units).**

(Same as ANTH 3900) Comparative study of traditional and changing roles of women in a wide range of contemporary cultures. Satisfies upper division writing proficiency requirement. Satisfies G.E. area G. Prerequisite: ANTH 2060 or consent of instructor.



**WMST 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.

**WMST 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: WMST 4003. Prerequisite: ETHS 2100 or 4200. (Lecture, 2 hours; activity, 2 hours) (Fall)

**WMST 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)

**WMST 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)

**WMST 4040 Gender Communication (3 units)**

(Same as COMM 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.

**WMST 4303 Women's Spirituality: Application (1 unit).**

This course involves student application of the conceptual material presented in WMST 4304 to a creative project of the student's own research and design. The project is to be presented to the class. Corequisite: WMST 4304. (Activity, 2 hours; discussion, 2 hours)

**WMST 4304 Women's Spirituality: A Theological View (2 units).**

This course 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: WMST 4303. (Activity, 2 hours; discussion, 2 hours)

**WMST 4305 Gender Politics at Work (3 units).**

(Formerly *Changing Sex Roles in Organizations*) (Same as PSCI 4305) This course deals with changes in the work environment resulting from the influx and upward mobility of women into professional positions. It will address the dynamics of the change for both men and women. Specific topics include changing demographics, cultural taboos, problems, and the legal climate.

**WMST 4311 Women in American Law (3 units).**

(Same as PSCI 4311) This course is 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.

**WMST 4350 Multiculturalism: From Bias to Reality (3units).**

(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.

**WMST 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.

**WMST 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.

**WMST 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.

**WMST 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 8 units depending upon departmental policy. Prerequisites: Sophomore standing; consent of departmental coordinator and Co-op Education Office.

**WMST 4950 Selected Topics in Women's Studies (Topics to be specified in the Schedule of Classes) (1-5 units).**

Development of a particular branch of women's studies. Topics will vary each term. Different topics may be taken for credit.

**WMST 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.

**WMST 5980 Individual Study (1-4 units).**

For postbaccalaureate students in Women's Studies who seek advanced and specialized study. Prerequisite: Consent of instructor and approval of graduate adviser ☐.

"Never doubt that a small group of thoughtful, committed citizens can change the world, indeed, it's the only thing that ever has."

—Margaret Mead

# School of Business Administration

Office: Demergasso-Bava Hall 203  
(209) 667-3287

Interim Dean: U. Rao Cherukuri

## Departments and Chairs:

Accounting and Finance ..... Don E. Garner  
(209) 667-3671

Computer Information  
Systems ..... Eleftherios (AI) Tsacle  
(209) 667-3568

Management, Marketing, and  
Operations Management ..... Nael A. Aly  
(209) 667-3507

## Directors:

Master of Business Administration  
Program ..... Randall B. Brown  
(209) 667-3280

*The Mission of the School 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 School of Business Administration offers the following degrees:

- Bachelor of Science in Business Administration
- Bachelor of Science in Computer Information Systems
- Master of 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 School regularly schedules upper-division and graduate courses in the evening at CSU Stanislaus - Stockton (Multi-Campus Regional Center).

The Mission of the School of Business Administration is to prepare individuals to be productive professional employees, managers, and entrepreneurs, who can make responsible decisions in a changing world by:

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

The vision of the School of Business Administration is to be increasingly 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 School 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 environ-

ments 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 work-place 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 School of Business Administration believes it must develop students':

- creative and critical thinking,
- applied problem-solving abilities,
- effective communication skills,
- independent learning skills and appreciation of life-long 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, Business Administration

The Bachelor of Science, Business Administration provides basic 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 principal 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) 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 basic organizational and economic 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 School's requirement for proficiency in English (see below).
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 School 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 School, 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 Macro 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, 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 School provide the following concentrations:

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

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

## General Business Concentration

The General Business option 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 School 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.*

## 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 with a minor in the School of Business Administration should take no more than 25% of their total units in the School.*

## 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 can be admitted to the program. Each applicant must submit the following to the Admissions and Records Office:

1. A fully completed application form (Part B of the Standard California State University application).
2. Two copies of official transcripts from each college attended.

*Each applicant must also submit the following to the Director of Graduate Programs, School of Business Administration:*

1. Three letters of recommendation from faculty and 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 director of graduate programs, School of Business Administration, will consider indicators of high promise of success in postgraduate business study 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 450 or higher in that examination.
  - 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 1000 points based on the formula (200 times the overall grade point average plus the GMAT total score), **or**
    - ii. a total of at least 1050 points based 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 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. Evidence of competency in finite mathematics.

*Note: Acceptance by the University for graduate study does not imply acceptance by the School of Business Administration. Only those students who meet the above criteria will be considered for admission to the program.*

### 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 Manage-  
ment, 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.

## Bachelor of Arts/Master in Business Administration, Spanish

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.

# Accounting



Amanda Holland, Business Administration Accounting Major

*“Interactions with dedicated professors, accounting programs focused on excellence, and state of the art technology combine to provide an exciting opportunity in education at California State University, Stanislaus.”*

—Amanda Holland, Student

## 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*

**Office:** Demergasso-Bava Hall Room 216  
(209) 667-3671

**Chair:** Don E. Garner

**Faculty:** Annhenrie Campbell, Steven M. Filling, Don E. Garner, David O. Jenkins, Lynn A. Johnson, David H. Lindsay, Robert Van Regenmorter, Kim B. Tan

## 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.

Possible careers in accounting include:

Public Accounting—auditing; tax planning and compliance; management advisory services; and personal financial planning.

Management Accounting—controllership; cost accounting; and internal auditing.

Governmental Accounting—federal and state income tax agencies; boards of equalization; and audit agencies.

## 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 the business administration core.
4. 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 Account 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: All courses in the Accounting concentration must be completed with a 2.0 grade point average (C) or better.*

## 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).**

The 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. The course 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, changes in financial position, price level changes, and other financial statement analyses. Prerequisite: ACC 3110 or consent of instructor. (Fall, Spring)

#### **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 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. The course will include 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).**

This course 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. The course 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 (3units).**

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. The course 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 or 5090. (Fall)

## **Business Law: Graduate**

### **BLW 5090 Business Law, Environment and Ethics (3units).**

Examination of problems and issues involving the interaction and adaptation of business and its legal, political, ethical, and social environment. The course is developed around a series of current problems chosen to raise some major issues.

### **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. ☒



# Finance

Office: Demergasso-Bava Hall 216  
(209) 667-3671

Chair: Don E. Garner

Faculty: U. Rao Cherukuri, Daniel R. Vellenga,  
Andrew Wagner

## 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:  
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  
(3 unit lecture, 1 unit laboratory)

*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.*



Marina Fernandez, Business Administration Finance Major

*“A concentration in Finance provides a valuable knowledge of stocks, investments, and money management, resulting in many post graduate employment opportunities.”*

—Marina Fernandez, Student

### 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*

## Upper Division

### **FIN 3210 Investment Management (3 units).**

The purpose of this course is to introduce 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 (with special attention to determination of security values and investment timing) 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 (4units).**

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).**

This course examines the functioning of the international monetary system and the international financial arrangements as well as the financial problems of firms operating internationally. This course will include the collection, measurement, and analysis of international financial data using computer applications. Prerequisite: FIN 3220. (Fall)

### **FIN 4820 Seminar in Financial Management (4units).**

This course is 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 4850 Computer Applications in Finance (4units).**

This course 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).**

This course 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. The course 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 (3units).**

This course is 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).**

This course 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 (3units).**

An 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 (3units).**

A detailed examination of the management of financial institutions. Topics: 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 (3units).**

An 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 (3units).**

An analysis of 1) the international monetary and financial system, 2) the financial management issues of corporations operating internationally. Prerequisite: FIN 5020 or equivalent.

**FIN 5340 Financial Markets (3 units).**

An analysis of the functioning and role of the financial markets. Topics: 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 5940 Internship (3 units).**

Supervised field experience in a selected area of finance. Formal written report(s) will be required. The course 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. [ \$ ]

# Management



William E. Reese, Business Administration Computer Information Systems Major

*“The effort a leader applies to his/her team is equal to or greater than the results generated by that team.”*

—William E. Reese, Student

## CAREER OPPORTUNITIES

Managerial and staff positions in government agencies, health-care organizations, educational institutions, and private businesses.

Career opportunities are also available in the following areas:

- Human Resource Management
- Strategic Management
- Small Business Management/Entrepreneurship
- Import/Export Business

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Phone (209) 667-3507  
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Chair: Nael A. Aly

Faculty: Randall B. Brown, Marjorie Chan, Tahi J. Gnepa, Randall D. Harris, Edward H. Hernandez, Peter P. Li

Faculty: Thomas P. Barrett,

Emeritus: Andrew J. Papageorge

The Management Concentration curriculum enables the student to obtain both a managerial prospective and a functional background suitable for entry level management positions in a variety of organizations.

## Requirements for the Concentration in Management

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 Resources, International Business, or Strategy/Entrepreneurship (listed on the following page).

## 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)

- Complete the following courses (6 units):  
MGT 4360 Organizational Behavior, 3 units  
MGT 4610 Seminar in Human Resource Management, 3 units
- 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
- Complete one of the following courses, or as approved by adviser (3 units):  
COMM 3120 Management Communication, 3 units  
COMM 4110 Organizational Communication, 3 units  
COMM 4170 Professional Interviewing, 3 units  
ECON 4100 Labor Economics, 3 units  
GEOG 3020 Human Ecology, 3 units  
PSYC 3310 Introduction to Social Psychology, 3 units  
PSYC 4820 Group Dynamics: Theory and Application, 3 units  
SOCL 3310 Social Stratification, 3 units  
SOCL 3530 Self and Social Behavior, 3 units  
SOCL 4020 Sociology of Small Group Dynamics, 3 units  
WMST 4305 Gender Politics at Work, 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 adviser (3-4 units):  
ANTH 4170 Business, Economics, and Anthropology, 3 units  
COMM 4160 Intercultural Communication, 3 units  
ECON 4335 Political Economy, 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 adviser (3-4 units):  
COMM 4210 Public Relations, 3 units  
ECON 4331 Managerial Economics, 3 units  
ECON 4455 The U. S. and World Trade, 4 units  
FIN 4820 Seminar in Financial Management, 4 units  
MKT 4490 Strategic Marketing Management, 4 units  
OM 4570 Quality 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 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 3400 Seminar in International Business (3units).**

(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 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 4540 Entrepreneurship and Venture Initiation (3units).**

Study of selected problems involved in starting and operating new business ventures. Prerequisite: MGT 3310 or concurrent enrollment in 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).**

This course 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. The course 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 (3units).**

(Formerly MGT 5350) This seminar 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 (3units).**

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 are 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. Prerequisite: Completion of all core MBA classes.

***MGT 5940 Internship (3 units).***

Supervised field experience in a selected area of management. Formal written report(s) will be required. The course 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.

# Marketing



Céline Darbonne, Business Administration Marketing Major

*“ I Made it  
After  
a Radical time  
in Kalifornia  
Expanding my horizons  
at Stanislaus State  
University.  
New friends,  
Great people. ”*

—Céline Darbonne, Student

## CAREER OPPORTUNITIES

Industrial, consumer, and retail sales representative, product development, brand management, advertising, consumer affairs, physical distribution/logistics, sales promotion, sales management, public relations, marketing research, global marketing, purchasing, green marketing, and marketing on the internet

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Chair: Nael A. Aly

Faculty: Tahj J. Gnepa, Alfred Petrosky,  
Kaylene C. Williams,

## Marketing Concentration

Marketing focuses on the relationship between the firm and the markets it serves. It includes measuring and interpreting market forces, cultivating market opportunities, developing products and/or services to match market opportunities, designing and managing market channels and physical distribution activities, pricing, advertising, sales promotion and public relations, and personal selling and sales management.

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, and other service firms.

## 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 (15-16 units)

1. Complete the following required courses (8 units):  
MKT 4400 Seminar in Consumer and Organizational Buyer Behavior, 4 units  
MKT 4420 Marketing Research, 3 units  
MKT 4422 Marketing Research Lab, 1 unit  
(Corequisite: MKT 4420)
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)  
MKT 4430 Seminar in Sales Management and Personal Selling, 4 units  
MKT 4450 Channel Management and Logistics, 4 units  
MKT 4470 Global Marketing, 3 units  
MKT 4472 Global Marketing Lab, 1 unit (Corequisite: MKT 4470)  
MKT 4480 Seminar in Product and Price Management, 4 units  
MKT 4490 Seminar in Strategic Marketing Management, 4 units



3. Complete one of the following non-Marketing electives (3-4 units):  
 ANTH 3200 Anthropological Studies of U. S. Culture, 4 units  
 COMM 3120 Management Communication, 3 units  
 COMM 4160 Intercultural Communication, 3 units  
 OM 4570 Quality Management, 3 units

*Note: All courses in the marketing concentration including the business administration prerequisites and core must be completed with a letter grade of C– or better.*

## Course Descriptions

### Upper Division

#### **MKT 3410 Basic Marketing (3 units).**

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 in establishing an overall marketing program. Prerequisites: Junior standing, ACC 2130 and ECON 2510. (ACC 2130 may be taken concurrently.)

#### **MKT 4400 Seminar in Consumer and Organizational Buyer Behavior (4 units).**

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 Seminar in Sales Management and Personal Selling (4 units).**

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 Management and Logistics (4units).**

(Formerly *Retailing*) 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 Seminar in Product and Price Management (4 units).**

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 Seminar in Strategic Marketing Management (4 units).**

(Formerly *Seminar in Marketing Strategy*) 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 Internship (3 units).**

Supervised field experience in a selected area of marketing. Formal written report(s) will be required. The course may be repeated for a total of 6 units. Prerequisite: Consent of internship coordinator prior to registration.

#### **MKT 4950 Selected Topics in Marketing (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.

#### **MKT 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

#### **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 Internship (3 units).***

Supervised field experience in a selected area of marketing. Formal written report(s) will be required. The course may be repeated for a total of 6 units. Prerequisite: Consent of internship coordinator prior to registration.

***MKT 5950 Selected Topics in Marketing (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.


***MKT 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.

***MKT 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.

***MKT 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. 

# Operations Management

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Chair: Nael A. Aly

Faculty: Nael A. Aly, Alan Khade, Gene Murti

## 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 products and services as well as their distribution.

OM managers apply their expertise and knowledge in the design, analysis, and planning of production systems. 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. The renewed emphasis on OM has reflected in an increase in starting salaries for OM graduates.

### 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 units)

1. Complete the following courses (6 units):  
OM 4570 Quality Management, 3 units  
OM 4590 World Class Operations Strategies, 3 units
2. Complete two of the following courses as approved by the major adviser (6 units):  
OM 4520 Productivity Management, 3 units  
OM 4530 Materials and Inventory Management, 3 units  
OM 4550 Advanced Quantitative Analysis Techniques, 3 units  
OM 4890 Business Forecasting and Planning, 3 units
3. Complete one of the following courses as approved by the major adviser (3 units):  
COMM 3120 Management Communications, 3 units  
CIS 4770 Systems Analysis and Design, 3 units  
MGT 4360 Organizational Behavior, 3 units  
MKT 4400 Seminar in Consumer Behavior, 3 units

Note: All courses in the Operations Management concentration must be completed with a letter grade of C- or better.



Greg Ardissono, Business Administration Operations Management Major

*“Operations Management has given me the necessary skills and knowledge to compete in today’s manufacturing and business community. The OM faculty are very knowledgeable and helpful with respect to World Class Manufacturing, Total Quality Management, and Continuous Process Improvement, just to name a few.”*

—Greg Ardissono, Student

### 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

## Upper Division

### **OM 3010 Operations Management (3 units).**

(Replaces OM 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 will also 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 4520 Productivity Management (3 units).**

Techniques and approaches to measure and improve overall productivity in manufacturing and service enterprises. Problem solving techniques, work simplification, work design and measurement, human factors in productivity, measurement, and office automation. Prerequisite: OM 3010 or concurrent enrollment in OM 3010. (Spring)

### **OM 4530 Materials and Inventory Management (3units).**

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 4550 Advanced Quantitative Analysis Techniques (3 units).**

Analysis by quantitative techniques for managerial planning and decision making. Mathematical programming; advanced linear, integer, quadratic, and dynamic programming. Stochastic models; Markov processes, probabilistic inventory models. Bayesian approach to decision-making processes. Prerequisite: OM 3020. (Spring)

### **OM 4570 Quality Management (3 units).**

How to establish and administer a total company-wide quality control program. Emphasis is placed on Quality Assurance, Continuous Quality Improvement, problem solving techniques, and Statistical Process Control. Prerequisite: OM 3010 or concurrent enrollment in OM 3010. (Fall)

### **OM 4590 World Class Operations Strategies (3 units).**

Application of quantitative and management disciplines to development of World Class Operations strategies in the manufacturing as well as service industries. The instruction will emphasize the case method, plant tours, and an applied term project. New innovations and issues in World Class Operations will be included. Prerequisite: OM 3010 or concurrent enrollment in OM 3010. (Spring)

### **OM 4890 Business Forecasting and Planning (3units).**

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 & Management (2-4 units).**

This course 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. The course 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 5020 Business Decision Techniques (3 units).**

Topics include fundamentals of probability sampling, statistical estimation, test of hypotheses, analysis of variance, and multivariate analysis. Emphasis is placed on the use of these techniques for business decision making. Prerequisite: Classified graduate standing or consent of instructor.

### **OM 5040 Quantitative Business Methods (3 units).**

Quantitative analysis in support of managerial decision making, the modeling process, linear programming, simulation, decision theory, and statistical inference. Prerequisites: OM 5020 and a demonstrated knowledge of linear algebra.

### **OM 5060 Seminar in Operations Management (3units).**

(Formerly OM 5560) Topics: Product design, process selection, location and layout analysis, productivity and quality management, materials management with emphasis on modern management techniques for manufacturing and service enterprises.

### **OM 5090 Business Research Techniques (3 units).**

This course will focus on business research methods to prepare MBA students to conduct graduate research. The 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. Prerequisite: OM 5040 or equivalent.

### **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. Prerequisite: OM 5060 or equivalent.

### **OM 5630 Seminar in Quality and Productivity Management (3 units).**

Study of the management of quality and productivity of products and SVG. Emphasis will be on customer focus, business process re-engineering, benchmarking, suppliers management, continuous improvement, Just-In-Time systems and statistical process control. Prerequisite: OM 5020 or equivalent.

### **OM 5940 Internship (3 units).**

Supervised field experience in a selected area of production and operations management. Formal written report(s) will be required. The course 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).**

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 Information Systems



Dilek Keller, Business Administration Computer Information Systems Major

*"I love my major. CIS is allowing me to get into a high demand career field that is both challenging and rewarding."*

—Dilek Keller, Student

## **CAREER OPPORTUNITIES:**

*Business systems analyst, data base administrator, information systems manager, and business programmer, small business analyst, information center specialist, decision support systems analyst, and end-user computing and information center manager.*

**Office:** Demergasso-Bava Hall 212  
(209) 667-3568

**Chair:** Eleftherios (Al) Tsacle

**Faculty:** Pi-Sheng Deng, Zbigniew Gackowski,  
Ronald W. Lodewyck, Eleftherios (Al)  
Tsacle

The Department of Computer Information Systems offers the degree Bachelor of Science, Computer Information Systems.

## **Bachelor of Science, Computer Information Systems**

This degree program provides a basic 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, (4) proficiency in analyzing, evaluating and developing computer information systems to support decision making, and (5) specialization in developing computer information systems either for mainframe, or for microcomputer and/or small business computer oriented environments.

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 evaluate computer information systems to support decision making and transaction processing.

Students majoring in computer information systems must choose one of two concentrations that focus either on the development and management of large structured mainframe systems or on small semi-structured and unstructured microcomputer systems. The Systems Analysis and Design Concentration prepares students for such careers as business systems analyst, data base administrator, information systems manager, and business programmer. These careers would typically occur in DP/MIS mainframe-oriented environments. The Decision Support Systems Management Concentration prepares students for such careers as small business analyst, information center specialist, decision support systems analyst, and end-user computing and information center manager. These careers would typically occur in information centers, end-user functional departments, and in small business computing microcomputer environments.

## Requirements

1. Complete University requirements for the Bachelor of Science degree (51 units minimum).
2. Complete the following prerequisites to the major:  
ACC 2110 Financial Accounting, 3 units  
ACC 2130 Managerial Accounting, 3 units  
BLW 2060 Law, Environment and Ethics, 3 units  
CIS 2010 COBOL Programming and Information Systems, 3 units\*  
ECON 2500 Principles of Macroeconomics, 3 units  
ECON 2510 Principles of Microeconomics, 3 units  
MATH 1500 Finite Mathematics, 3 units  
MATH 1610 Statistics for Decision Making, 3 units
3. Complete the major and one of the two concentrations below with at least a 2.0 grade point average.
4. Complete the English Proficiency Requirement, 3 units  
ENGL 3007 Business and Technical Communication, 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 described elsewhere in this catalog.

*Note: Prospective computer information systems majors should emphasize General Education during the first two years, thus laying a foundation upon which the program can be built.*

## The Major (30 units)

Complete the following core courses (30 units):

- CIS 3780 Management Information Systems and Micro-computers, 3 units
- CIS 4720 Data Base Management Systems, 3 units
- CIS 4770 Systems Analysis and Design, 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 Production and Operations Administration, 3 units
- OM 3020 Management Science, 3 units

## The Concentrations (15 units)

Complete one of the following concentrations (15 units):

1. **Systems Analysis and Design**  
CIS 3011 Advanced COBOL Programming, 3 units  
CIS 4780 Computer Information Systems Design, 3 units  
CIS 4790 Applied Software Development Project, 3 units  
Complete two of the following:  
CIS 3730 Structured Programming, 3 units  
CIS 3760 Computer Graphics, 3 units  
CIS 4710 Information Systems Management, 3 units  
CIS 4740 Advanced Data Base Management Systems, 3 units  
CIS 4750 Decision Support Systems, 3 units  
CIS 4800 Business Data Communications, 3 units
2. **Decision Support Systems Management**  
CIS 4710 Information Systems Management, 3 units  
CIS 4750 Decision Support Systems, 3 units  
CIS 4760 Decision Support Development Project, 3 units  
Complete two of the following:

- CIS 3011 Advanced COBOL Programming, 3 units
- CIS 3730 Structured Programming, 3 units
- CIS 3760 Computer Graphics, 3 units
- CIS 4740 Advanced Data Base Management Systems, 3 units
- CIS 4780 Computer Information Systems Design, 3 units
- CIS 4800 Business Data Communications, 3 units
- OM 4520 Productivity Management, 3 units

## Minor in Computer Information Systems

### Requirements (24 units)

1. Complete the following prerequisites to the minor (18 units):  
ACC 2110 Financial Accounting, 3 units  
CIS 2010 COBOL Programming and Information Systems, 3 units  
CIS 3780 Management Information Systems and Micro-computers, 3 units  
ECON 2510 Principles of Microeconomics, 3 units  
MATH 1610 Statistics for Decision Making, 3 units  
MGT 3310 Management Theory and Practice, 3 units
2. Complete two of the following courses (6 units):  
CIS 3011 Advanced COBOL Programming, 3 units  
CIS 3730 Structured Programming, 3 units  
CIS 4710 Information Systems Management, 3 units  
CIS 4720 Database Management Systems, 3 units  
CIS 4750 Decision Support Systems, 3 units  
CIS 4770 Systems Analysis and Design, 3 units  
CIS 4800 Business Data Communications, 3 units

### Lower Division

#### **CIS 2000 Introduction to Computer Information Systems (3 units).**

An 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) (Fall, Spring)

#### **CIS 2010 Introduction to COBOL Programming (3units).**

Introduction to the 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 2700 Management Information Systems (3units).**

An 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 information system planning, application development including systems analysis and design, decision support systems, and expert systems. 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.

\* Requires computer literacy

## Upper Division

### **CIS 3011 Advanced COBOL Programming (3 units).**

A continuation of CIS 2010. This course will place 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 Reportwriter software. Field trips may be required for on-site exposure. Corequisite: CIS 3012. Prerequisite: CIS 2010. (Lecture, 2 hours; laboratory, 2 hours)

### **CIS 3730 Structured Programming (3 units).**

Solving business problems using structured and object oriented programming techniques. Programs will be written in a variety of programming languages including C and Visual BASIC. Corequisite: CIS 3732. Prerequisite: CIS 2010 or one semester of another programming language. (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, coordinate 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). (Lecture, 2 hours; laboratory, 2 hours) (Fall, Spring)

### **CIS 4710 Information Systems Management (3units).**

An 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) (Fall)

### **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) (Spring)

### **CIS 4740 Advanced Data Base Management Systems (3 units).**

A 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).**

The design and implementation of computer-based decision support systems. Emphasis will be placed on Graphical User Interfaces, Relational Data Models, Expert Systems and Modeling techniques including the use of Genetic Algorithms to solve business problems. Corequisite: CIS 4752. Prerequisites: CIS 2010 or one semester of another programming language, and OM 3000. (Lecture, 2 hours; activity, 2 hours) (Spring)

### **CIS 4760 Decision Support Development Project (3units).**

Application of decision support 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 DSS of moderate complexity. Use of appropriate project management methods (scheduling and control) in the solution of a real problem. This is an integration intended as the capstone of the major. Prerequisite: CIS 4750.

### **CIS 4770 Systems Analysis and Design (3 units).**

The 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, 3780, and ACC 2110. (Lecture, 2 hours; laboratory, 2 hours) (Fall, Spring)

### **CIS 4780 Computer Information Systems Design (3units).**

The 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 3011, 4720, and 4770. (Lecture, 2 hours; activity, 2 hours) (Fall)

### **CIS 4790 Applied Software Development Project (3units).**

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. This is an integrative experience intended as the capstone of the major. Prerequisite: CIS 4780.



**CIS 4800 Business Data Communications (3 units).**

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: Computer literacy (such as CIS 2000). (Lecture, 2 hours; activity, 2 hours)

**CIS 4910 Cooperative Education in Computer Information Systems (2–4 units).**

This course 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 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)

**CIS 4940 Internship (3 units).**

Supervised field experience in a selected area of computer information systems. Formal written report(s) will be required. The course 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).**

An 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).**

The 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. The course 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. 

# School of Education

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

Dean Irma Guzman Wagner

Departments and Chairs:

Advanced Studies in  
Education ..... Cathy Watkins

Physical Education and  
Health ..... James Bowen

Teacher Education ..... Juan Flores

Program Coordinators:

Administrative Services  
Credentials ..... John Borba

Crosscultural, Language and  
Academic Development (CLAD)  
Certificate Program .... Joan Wink

Education Specialist: Mild/Moderate Disabilities  
and Moderate/Severe Disabilities  
Credentials ..... Cathy Watkins

Multiple Subject Credential  
CLAD ..... Elmano Costa

Multiple Subject Credential Bilingual  
CLAD (BCLAD) ..... Leodoro Hernandez

Pupil Personnel Services  
Credential ..... Connie Kane

Reading/Language Arts Specialist  
Credential ..... Janet Towell

Single Subject  
Credential ..... Jane E. Diekman

Vocational Education ..... Irma Guzman Wagner  
Credentials Analyst ..... Becky Jo Akers

*The School of Education has as one of its major missions the education of classroom teachers and physical educators. In addition, the School prepares students for careers in teaching-related professions such as administrator, counselor, reading/language arts specialist, special educator, and educational technologist.*

**CAREER OPPORTUNITIES**

*K-12 Teacher, Administrator, Counselor, Specialist, Physical Education Trainer, or Coach*

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

## Purpose

The School of Education has, as one of its major missions, the education of classroom teachers and physical educators. In addition, the School prepares students for careers in teaching-related professions as administrators, counselors, reading specialists, special educators, and education technicians. These programs are designed to provide a strong knowledge of academic disciplines, an understanding of the behavioral and social sciences as applied to the field of education, the application of current research and technology to improve instruction, and a proficiency in the technical skills necessary to become an outstanding professional. Credential programs of the School of Education provide experiences that enable students to meet academic and fieldwork competencies required in their chosen professions.

The School offers both preliminary and advanced credential programs that are approved by the California Commission on Teacher Credentialing. 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 School 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 California Commission on Teacher Credentialing (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 Disabled Student 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 School of Education is available from your program coordinator or the departmental office.

# Credential Processing Center



Keely Pfeiffer, Liberal Studies Major with Becky Akers, Credential Processing Center Director

*“The Credential Processing Center helped me every step of the way when it came to receiving my credential. The staff is very professional and courteous.”*

—Keely Pfeiffer, Student

Office: Demergaso-Bava Hall 303  
(209) 667-3534

Director: Becky Jo Akers

The Credential Processing Center (CPC) in the School 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, and 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 and accepting applications for the Multiple Subject, Single Subject, and Education Specialist credential programs. Multiple Subject and Single Subject credential program applications are due the first week of October for spring semester admission and the first week of March for fall semester admission. Application for the Education specialist Preliminary Mild/Moderate or Moderate/Severe Disabilities programs are due February 15 for fall semester admission.

The Credential Processing Center is responsible for the evaluation, verification, and recommendation of all basic multiple, single subject, and education specialist teaching credentials. The CPC is also responsible for the evaluation, verification, and recommendations of all professional clear, advanced, and services credentials. Students should file for credentials just prior to completion of all course work. Students applying for the professional clear credential should be sure to complete all requirements and file their application at least six months prior to expiration date 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	J. Borba	Advanced Studies in Education
2. Professional Administrative Services	J. Borba	Advanced Studies in Education
3. Crosscultural Language and Academic Development (CLAD) Certificate Program	J. Wink	Teacher Education
4. Education Specialist: Mild/Moderate and Moderate/Severe Disabilities Credential	C. Watkins	Advanced Studies in Education
5. Preliminary Multiple Subject Credential, Crosscultural Language and Academic Development (CLAD)/ Professional Clear Multiple Subjects	E. Costa	Teacher Education
Preliminary Multiple Subject Bilingual Crosscultural Language and Academic Development (BCLAD)	L. Hernandez	Teacher Education
Stockton Center	E. Costa	Teacher Education
6. Pupil Personnel Services: School Counseling	C. Kane	Advanced Studies in Education
7. Reading and Language Arts Specialist	J. Towell	Teacher Education
8. Preliminary/Professional Clear Single Subject	J. Diekman	Teacher Education

# Advanced Studies in Education



Stephanie Garibay, Advanced Studies Graduate

*“The professors in the Advanced Studies Department work hard and spend extra time to prepare us with the skills we need to make our students successful.”*

—Stephanie Garibay, Graduate Student

## 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 Adviser at University, Group Home Counselor, Career Counselor, School Counselor, Community College Counselor, Vocational Counselor,*

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

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

**Chair:** Cathy L. Watkins

**Faculty:** John A. Borba, Diana Mayer  
Demetrulias\*, Jane Diekman\*, Granger  
Dinwiddie, Leodoro Hernandez\*, Connie  
M. Kane, Mira Mayer, Dawn M. Poole,  
Karen M. Sniezek, Cathy L. Watkins, Roy  
Y. Yasui\*

**Emeritus Faculty:** Tod Anton, Joseph W. Corbin\*, Jack A.  
Graves\*, Charles C. Hanna\*, R. J.  
Moriconi\*, Nina Ribak-Rosenthal\*,  
Haig A. Rushdoony\*, Lorna M. Swain\*,  
William G. Webster\*

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

The Department of Advanced Studies in Education offers graduate programs leading to a Master of Arts 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 or the Graduate Studies Office in the Library Building (L151).

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 or the Graduate Studies Office (L151).

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 in other official notifications from the State Board or the Commission.

## Graduate Studies in the Department

Prerequisites, procedures, and requirements for the M.A. degree and for advanced credentials are described below. Also included is general information relevant to graduate studies.

<i>M.A. Area</i>	<i>Advanced Credential</i>	<i>Coordinator</i>	<i>Phone</i>
School Administration	Preliminary Administrative Services Preliminary Administrative Services (Internship) Professional Administrative Services	John A. Borba, (DBH 356)	(209) 667-3260 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 348A)	(209) 667-3578 or 3364
Educational Technology	Supplemental Authorization in Computer Concepts and Applications	Dawn Poole, (DBH 353)	(209) 667-3495 or 3364

## 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:

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

### 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's Analogies Test (MAT score:  $GPA \times 20 + MAT \text{ score} = \text{total score}$ ).  
**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 Special Education or Educational Technology. School counseling emphasis requires appropriate experience with youth.

### Application Procedures

1. Complete the University Admission form and file it with the Admissions Office in the Library Building (L110).
2. Submit transcripts including at least the last 60 units of college/university degree course work to the Admissions Office.
3. Submit program application and receipt for program application fee to the Department of Advanced Studies in Education Office (DBH348).
4. Submit letters of recommendation as required, which discuss the applicant's potential for graduate-level study, to the Department of Advanced Studies in Education Office (DBH348).
5. Submit MAT score to the Department of Advanced Studies in Education Office (DBH348). (For MAT information and testing procedures, contact the Testing Office on campus; 667-3157.)

## Admission Classifications

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

1. **Postbaccalaureate Standing: Unclassified**  
(Permits one to enroll in classes as specified by the area program 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: Conditionally Classified (for Educational Technology)**  
(Status must change to "Classified" within one calendar year.)  
To move to Graduate Standing: Conditionally Classified, the applicant must:
  - a. Submit two letters of personal recommendation from persons other than university professors, indicating applicant's potential for graduate-level study.
  - b. Submit proof of completion of EDIT 4730 (or equivalent) with a grade of C or better, or credit.
  - c. Submit proof of a score of 41 or higher on the CBEST writing section.
  - d. Show evidence of a valid teaching or service credential.
  - e. 3.0 GPA in last 60 units of course work completed.
3. **Graduate Standing: Classified**  
(Admission to the M.A. program is granted).  
To move to Graduate Standing: Classified, the applicant must:
  - a. Submit letters of recommendation. (Check with the specific program coordinator for the exact number required.)
  - b. Submit Miller Analogies Test score.
  - c. Complete at least six units of M.A. Education course work in residence with at least a 3.0 GPA.
  - d. Meet any other additional requirements (e.g., interviews) as specified in each M.A. area.
  - e. Have program file evaluated by the Advanced Credential Programs Committee. (This will be done automatically after submission of documents; notification of admission status from the area coordinator will follow.)

## Requirements

- 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. 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. 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. 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.

Complete all of the requirements for the Common Course Work as well as the requirements listed below for the concentration to which admission has been granted.

### Common Course Work Requirements (11 units minimum)

- Complete one of the following foundation courses, depending on the specific M.A. area of emphasis (3 units):  
EDGS 5010 Education in Society, 3 units, *or*  
EDGS 5040 Philosophy of Education, 3 units
- Complete the following common studies courses (7 units):  
EDGS 5050 Methods of Research in Education, 4 units  
*and*  
EDGS 5060 Theories of Instruction, 3 units
- Complete a project/thesis (minimum of one enrollment is required):

### School Administration Emphasis

(31-33 units including Common Course work)

EDAD 5810 Seminar: Curriculum Planning and Supervision, 4 units  
EDAD 5820 Seminar: Educational Leadership and Personnel Management, 4 units  
EDAD 5830 Seminar: Principalship and School Management, 4 units  
EDAD 5840 Seminar: School Finance and School Law, 4 units  
EDAD 5850 Seminar: School Governance, Politics, and Community Relations, 4 units  
EDGS 5960 Project, 1-3 units, *or*  
EDGS 5990 Thesis, 1-3 units

or

EDAD 5852 Field Work: Administration/Supervision, 1+1+1+1 units, may be repeated for a total of 4 units  
EDAD 5890 Individual Induction, Program Development and Assessment 1+1+1+1 units, total of 4 units required

EDAD 5891 Seminar: Organizational Theory/Practice and Instructional Leadership, 3 units

EDAD 5892 Seminar: Evaluation of Educational Effectiveness and Implementing Staff Development, 3 units

EDAD 5893 Seminar: School Law, Organizational Politics, and Cultural and Socio-economic Diversity, 3 units

EDAD 5894 Seminar: Management of Human, Fiscal, and Materials Resources, 3 units

EDAD 5895 Advanced Study in School Administration, 4-8 units

In lieu of EDAD 5852 and 5895, other course options are available as per written approval by the program coordinator.

Additional units may be required to complete a minimum of 31 units. Course work must be selected from the 5000-level courses listed in the catalog or from another accredited university as approved by the Coordinator of the School Administration programs.

### School Counseling Emphasis

(38-40 units including Common Course work)

#### Counseling Core

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

EDGS 5960 Project 4-6 units, *or*

EDGS 5990 Thesis, 4-6 units

#### Two courses from the following (6 units)\*

EDCL 5530 Testing in Education and Counseling, 3 units

EDCL 5540 Counseling Exceptional Children and at-Risk Youth, 3 units

EDCL 5630 Dealing with Differences in Educational Settings, 3 units

EDCL 5780 Consultation and Supervision for School Counselors, 3 units

\*Appropriate substitutes will be accepted contingent on approval of the School Counseling Coordinator.

### Special Education Emphasis

(31 units including Common Course Work)

#### Special Education Core

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 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.

#### Thesis

EDGS 5990 Thesis, 3 + 3 units



## Educational Technology Program

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 4710, EDIT 4720, and EDIT 4730 can be used to partially satisfy requirements of this authorization. Additional course work can be taken from Computer Science, Cognitive Studies, Educational Technology, or as independent study units. See 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 current basic teaching credential and EDIT 4730 (or equivalent) are prerequisites for entry into the program. The 5000-level technology courses are offered on a two-year cycle. See the Educational Technology Program Coordinator for admission information and advisement.

#### (32 units including Common Course Work)

##### **Educational Technology Core**

- EDIT 4710 Educational Software: Integration Strategies, 3 units
- EDIT 4720 Multimedia Development in Education, 3 units
- EDIT 5100 Research Trends in Educational Technology, 2 units
- EDIT 5110 Social Perspectives of Technology in Education, 2 units
- EDIT 5120 School Technology Leaders, 2 units
- EDIT 5130 Educational Technology Specialists, 2 units

Additional units beyond the Common Course Work and Educational Technology Core are required to complete a minimum of 32 units. These elective units must be selected from the 5000-level courses listed in the catalog or from another accredited university as approved by the Educational Technology Program Coordinator.

## Advanced Credentials

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

- Preliminary Administrative Services Credential
- Professional Administrative Services Credential
- Pupil Personnel Services Credential (School Counseling)

*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 their specialist employees. 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 **only**, the applicant must:

1. Possess a baccalaureate degree.
2. Have earned at least a 2.75 GPA in the last 60 units attempted.
3. Possess a valid teaching credential or appropriate California Education Credential, except for the Pupil Personnel Services Credential Program for which experience with youth may be deemed appropriate and approved as a substitute for the teaching credential. (Submit a list of experiences to the School Counseling Program coordinator to obtain approval.)

### Application Procedures

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

1. Complete the University Admission form and file it with the Admissions Office in the Library Building (L-110).
2. Submit transcripts of college/university course work, to include at least the last 60 units, to the Admissions Office.
3. Submit program application and receipt for program application fee to the Department of Advanced Studies in Education Office (DBH348).
4. Submit letters of recommendation to the Department of Advanced Studies in Education Office (DBH348). (Check with the specific advanced credential program coordinator for the exact number required.)
5. Submit test scores (e.g., CBEST), as required by the specific advanced credential program, to the Department of Advanced Studies (DBH348).
6. Submit proof of valid teaching credential or appropriate California Education Credential to the Department of Advanced Studies in Education (DBH348), except for the Pupil Personnel Services Credential Program for which appropriate experience may be substituted. (Submit a list of experiences with youth to the Pupil Personnel Services Credential Program coordinator to obtain approval.)
7. 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 may be placed in one of two classifications:

### 1. **Postbaccalaureate Standing: Unclassified**

(Permits one to enroll in classes as specified by 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. **Postbaccalaureate Standing: Classified**

(Admission to the advanced credential program is granted.

Note that the requirements for individual credential programs will vary from the requirements listed below. The applicant should obtain more detailed information from the coordinator of the specific advanced credential program.)

To move to Graduate Standing: Classified, the applicant must:

- a. Submit transcripts including at least the last 60 units of college/university course work.
- b. Submit program application and receipt for program application fee to the Department of Advanced Studies in Education Office (DBH348).
- c. Submit letters of recommendation. (The number of letters may vary depending on the advanced credential the student is seeking.)
- d. Submit passing CBEST scores and/or other test scores as required.
- e. Submit proof of valid teaching credential or appropriate California Education Credential. Candidates for the Pupil Personnel Services Credential may submit Certificate of Clearance form, fingerprint cards, and a list of experiences with youth. (See the Credentials Secretary in the Demergasso-Bava Hall 303, for materials.)
- f. Complete at least two courses of advanced program course work with at least a 3.0 GPA.
- g. Participate in an interview and/or have the program file evaluated by a credential program committee, depending on the specific advanced credential program.

## Requirements

1. **Course Work Requirements:** No more than nine semester units of course work in Postbaccalaureate Standing: Unclassified may be applied to an advanced credential program. The total number of units, as well as specific courses required, vary with each area of emphasis within the credential area. (See the specific area coordinator for requirements.)
2. **Grade Requirements:** Students seeking an advanced credential are expected to maintain 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 on earning a grade of C is considered to be on probation; on earning a second C, the candidate will be disqualified.
3. **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 Office (DBH303). (See the Credentials Secretary, shortly after midterm of the final semester in program, for assistance in completing the application process for the credential.)
- e. Be recommended for the credential by the Coordinator of the appropriate advanced credential program.

## Class Scheduling

Courses are scheduled in the late afternoon and evening to enable employed individuals to enroll in classes. Most courses in School Administration will begin at 5:00 p.m.

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

## Administrative Services Credentials Preliminary and Professional

Coordinator: John A. Borba

### 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. (For additional information, the applicant must purchase the School Administration Handbook at the KIVA or the Multi-Campus Regional Center in Stockton campus bookstores.)

### Requirements (24 units)

1. Complete the following courses (24 units):
  - EDAD 5810 Seminar: Curriculum Planning and Supervision, 4 units
  - EDAD 5811 Field Work: Curriculum Planning and Supervision, 1 unit
  - EDAD 5820 Seminar: Educational Leadership and Personnel Management, 4 units
  - EDAD 5821 Field Work: Educational Leadership and Personnel Management, 1 unit
  - EDAD 5830 Seminar: Principalship and School Management, 4 units
  - EDAD 5831 Field Work: Principalship and School Management, 1 unit
  - EDAD 5840 Seminar: School Finance and School Law, 4 units
  - EDAD 5850 Seminar: School Governance, Politics, and Community Relations, 4 units
  - EDAD 5851 Field Work: School Governance, Politics and Community Relations, 1 unit

## The Preliminary Administrative Services Credential Program (Internship)

The Administrative Services Credential Program (Internship) 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 two years of teaching or appropriate educational experience. The intern is supervised by both the University staff 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 intern credential. (For additional information and program course work advisement, the applicant is asked to contact the program coordinator.)

## The Professional Administrative Services Credential Program

This is a competency-based program designed, as a natural sequel to the Preliminary Administrative Services Credential Program, to enhance the students' professional skills to succeed in school administrative assignments. In addition to meeting regular standards for admission to graduate study at the University and meeting requirements such as a letter of sponsorship, students must submit proof of a valid Preliminary (or Clear) Administrative Services Credential, and a GPA of at least 3.0 in the last 60 units of college/university course work. The applicant for this program must be able to verify full-time employment in a position requiring the Preliminary Administrative Services Credential and that at least two years of successful experience has occurred in such a position before the credential is issued. This credential is valid for five years and is renewable. (For additional information and program course work advisement, the applicant is asked to contact the program coordinator.)

### Requirements (24 units or equivalent)

- EDAD 5890 Individual Induction, Program Development, and Assessment, 1+1+1+1 units, total of 4 units required
- EDAD 5891 Seminar: Organizational Theory/Practice and Instructional Leadership, 3 units
- EDAD 5892 Seminar: Evaluation of Educational Effectiveness and Implementing Staff Development, 3 units
- EDAD 5893 Seminar: School Law, Organizational Politics, and Cultural and Socio-Economic Diversity, 3 units
- EDAD 5894 Seminar: Management of Human, Fiscal, and Material Resources, 3 units
- EDAD 5895 Seminar: Advanced Study in School Administration, 4 units\*\*
- EDAD 5852 Field Work: School Administration/Supervision, 1 unit\*\*\*

### Elective Options for Proposed Professional Program\*\*\*\*

- |          |   |
|----------|---|
| Option 1 | 1-4 units of 5852: Field Work taken concurrently with 5891, 5892, 5893, and/or 5894                     |
| Option 2 | EDAD 5895 - 4 or 8 units, this course may be taken a maximum of two semesters to individualize program. |
| Option 3 | 1-8 units of advanced course work in other academic areas   |
| Option 4 | 1-8 units toward the doctoral program at UOP  |

- |          |   |
|----------|---|
| Option 5 | Non-university activities following guidelines presented in Program Standards 17 and 18 (120 hours/8 units of credit) |
| Option 6 | Any combination of the above  |

- \* Students must enroll in 5890 each semester of enrollment (summer sessions and winter terms excluded) in the Professional program.
- \*\* This optional 4 unit course may be repeated twice for a total of 8 units.
- \*\*\* This optional 1 unit course may be repeated for a total of 4 units and must be taken concurrently with 5891, 5892, 5893, and/or 5894.
- \*\*\*\* All options must be **pre-approved** in writing by the university program coordinator.

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

Coordinator: Cathy L. Watkins

In April 1996, the California Commission on Teacher Credentialing adopted new *Standards of Program Quality and Effectiveness* for the Preliminary Level I and Professional Level II Education Specialist Credential Programs. A prerequisite teaching credential, Multiple or Single Subject, is not required to obtain the Special Education Credential.

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.

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

#### Prerequisite Courses

- Complete the following courses before applying to the program. The courses preceded by a check (√) are requirements or electives in the undergraduate concentration, Exceptional Children and Youth.
    - EDUC 4200 Cultural Diversity in the Classroom, 3 units
    - √EDSE 4310 Introduction to Special Education, 3 units
    - √EDSE 4330 Communication and Social Skills for Students with Disabilities, 3 units
    - √EDSE/PSYC 4560 Theory of Instructional Design, 3 units
- One upper-division cross-cultural course:
- COMM 4160 Intercultural Communication, 3 units
  - ENGL 3940 Multicultural American Literature, 3 units
  - ETHS 4200 The Minority Experience, 3 units
  - ETHS/WMST 4350 Multiculturalism: From Bias to Reality, 3 units
  - HIST 3720 Afro American History, 3 units
  - SOCL 3250 Social Issues in Cross-Cultural Perspective, 3 units
  - SOCL 4010 Race and Ethnic Relations, 3 units

## Credential Courses

- Following acceptance to the Special Education Credential Program, complete the following courses:

### Core Requirements

- EDSE 4110 Reading and Language Arts in General and Special Education, 5 units
- EDML 4120 Curriculum and Instruction: Mathematics, 3 units
- EDSE 4430 Assessment of Students with Disabilities, 3 units
- PSYC 4550 Practicum with Exceptional Children, 3 units
- PSYC 4750 Behavior Analysis in the Classroom, 3 units

### Credential Specific Requirements

#### Mild/Moderate Disabilities:

- EDSE 4450 Teaching Students with Mild/Moderate Disabilities, 3 units

#### Moderate/Severe Disabilities:

- EDSE 4440 Teaching Students with Moderate/Severe Disabilities, 3 units

- The following courses are taken upon completion of all prerequisite and credential (core and credential-specific) requirements with a grade of B or better. In order to enroll in student teaching, subject matter requirements must be met.

### Mild/Moderate Disabilities

- EDMC 4815 MS/CLAD Student Teaching I, 5 units
- EDSE 4815 Special Education Student Teaching: Mild/Moderate, 5 units
- EDSE 4898 Special Education Student Teaching Seminar: Collaboration and Consultation M/M, 1+1 units

### Moderate/Severe Disabilities

- EDMC 4815 MS/CLAD Student Teaching I, 5 units
- EDSE 4816 Special Education Student Teaching: Moderate/Severe, 5 units
- EDSE 4798 Special Education Student Teaching Seminar: Collaboration and Consultation M/S, 1 unit
- EDSE 4898 Special Education Student Teaching Seminar: Collaboration and Consultation M/M, 1+1 units

## Admission Requirements

- Complete an application for admission to the Preliminary Level I Credential Program. The application packet is available from Kiva Bookstore. Refer to the application packet for application deadlines, admission criteria during the year of application and acceptance, and any additional requirements.
- Minimum GPA based on undergraduate major has been established by the California State University System and it is included in the application packet. Written requests for exception to GPA criteria must be included in the student's application to the program.
- Pass CBEST *before* applying for admission to the program.
- File a Certificate of Clearance with the application to the program.

- Subject Matter Requirements for the Level I Education Specialist Credentials may be met by completing a Liberal Studies waiver program or passing the Multiple Subjects Assessment of Teachers (Content Knowledge, Content Area Exercise 1, and Content Area Exercise 2); or completing a CTC-approved waiver program or passing CTC-approved exams, The Praxis and/or the Single Subject Assessment for Teaching (SSAT).

- Submit verification of subject-matter competence before beginning the program. Students who meet subject-matter requirements through the subject matter preparation program or CCTC-approved exam(s) must have subject-matter competence determined by the appropriate academic department at CSU Stanislaus.

*Note: This requirement is in addition to that described in #5 above.*

- PSCI 1201 or its equivalent (minimum two semester units) is required for the Education Specialist Preliminary Level I credential. Check with the Credentials Office to determine if the United States Constitution requirement has been met. Recent graduates from a campus of the California State University System have met this requirement as part of their regular undergraduate requirements.

## 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:

- All Level I program requirements with grades of B or better.
- Verification of baccalaureate degree.
- Passing score on the Reading Instruction Competency Assessment (RICA) (effective January 2000).
- 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 of the CLAD Multiple Subjects Credential. Students with an Education Specialist Level I Credential: Mild/Moderate Disabilities will be recommended by California State University, Stanislaus for the Preliminary MSCP CLAD upon verification of Multiple Subject Matter Preparation/MSAT and Subject Matter Competence and satisfactory completion of the following course work:

- EDUC 4400 Introduction to Multilingual Education, 3 units
- EDML 4130 Elementary Curriculum and Instruction: Science, 3 units
- EDML 4140 Elementary Curriculum and Instruction: Social Studies, 3 units, **and**
- 6 units in the same language

## Recommendation for the Single Subject Credential

Individuals with an Education Specialist Preliminary Level I Credential who wish to obtain a Single Subject Credential should contact the Single Subject program coordinator.

### **Professional Level II Education Specialist Credential**

All candidates completing the Preliminary Level I program are required to complete (1) a Professional level II Education Specialist Credential within five years of the date of issuance of the Preliminary Level I Credential and (2) the professional clear credential requirements mandated by state law: health and computer education.

California State University, Stanislaus does not have approval for the Level II program at this time. The California Commission on Teacher Credentialing requires approval for the Level II Professional Credential by June 1999. Check periodically with the Special Education program concerning the status of the Specialist Level II Credential.

## **School Counseling Credential**

**Coordinator: Connie Kane**

This program is designed for teachers and other professionals who possess appropriate preparation and experience. Counseling field experiences are at the elementary and secondary levels, as well as with agencies. (See the School Counseling Credential Program Coordinator for admission information and advisement.)

### **Requirements (39 units)**

1. Complete the following courses (39 units):
  - 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 5940 Field Work: School Counseling, 2 or more enrollments for a total of 9 units

## Course Descriptions

### Administration: Preliminary Services Credential

#### ***EDAD 5810 Seminar: Curriculum Planning and Supervision (4 units).***

Procedures for curriculum development and implementation; movements and trends as related to modern practices; basic principles of human growth and development; community involvement and proper resource utilization in curriculum development; multicultural education; issues in mainstreaming and full inclusions; 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.

#### ***EDAD 5811 Field Work: Curriculum Planning and Supervision (1 unit).***

Actual work experience in the field to provide an opportunity for students to directly apply theory to practice. Joint supervision by district supervisor(s) and university personnel. Corequisite: EDAD 5810.

#### ***EDAD 5820 Seminar: Educational Leadership and Personnel Management (4 units).***

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.

#### ***EDAD 5821 Field Work: Educational Leadership and Personnel Management (1 unit).***

Actual work experience in the field to provide an opportunity for students to directly apply theory to practice. Joint supervision by district supervisor(s) and university personnel. Corequisite: EDAD 5820.

#### ***EDAD 5830 Seminar: Principalship and School Management (4 units).***

Responsibilities of the principal as related to establishing and maintaining effective schools; organizational relationships in elementary and secondary schools, together with problems and procedures; the principal and school control; teacher personnel, pupil personnel, classified personnel; guidance; community relationships; school management; developing and implementing goals; administration of special education mainstreaming; office management, plant management; computer applications; communications; conflict resolution and management of personal stress.

#### ***EDAD 5831 Field Work: Principalship and School Management (1 unit).***

Actual work experience in the field to provide an opportunity for students to directly apply theory to practice. Joint supervision by district supervisor(s) and university personnel. Corequisite: EDAD 5830.

#### ***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 Seminar: School Governance, Politics, and Community Relations (4 units).***

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.

#### ***EDAD 5851 Field Work: School Governance, Politics, and Community Relations (1 unit).***

Actual work experience in the field to provide an opportunity for students to directly apply theory to practice. Joint supervision by district supervisor(s) and university personnel. Corequisite: EDAD 5850.

### Administration: Professional Services Credential

#### ***EDAD 5852 Field Work: Administration/Supervision (1unit)+(1 unit)+(1 unit)+(1 unit)***

Actual work experience in the field. Joint supervision by district mentor(s) and university personnel. May be repeated for a total of 4 units. Prerequisite: Consent of program coordinator.

#### ***EDAD 5890 Individual Induction, Program Development, and Assessment (1unit) +(1unit) +(1unit)***

In this course the candidate develops an individualized induction, program development, and assessment plan which prescribes the course work and other activities to be engaged in by the candidate. Must be repeated for a total of four units.

#### ***EDAD 5891 Seminar: Organizational Theory/Practice and Instructional Leadership (3 units).***

This course focuses on organizational theory and practice in educational settings and the role and functions of instructional leadership therein.

#### ***EDAD 5892 Seminar: Evaluation of Educational Effectiveness and Implementing Staff Development (3 units).***

This course focuses on evaluation of the total educational enterprise, with attention given to curriculum and instructional effectiveness, student outcomes, school/district goals in relation to professional/staff development, and the special characteristics and needs of adult learners.

**EDAD 5893 Seminar: School Law, Organizational Politics, and Cultural and Socio-Economic Diversity (3 units).**

This course focuses on the legal and political aspects of educational organizations in pluralistic settings at the local, state, and national levels. Attention is given to legal frameworks, political jurisdictions, and varying cultural, ethnic, and socio-economic factors which influence education.

**EDAD 5894 Seminar: Management of Human, Fiscal, and Material Resources (3 units).**

This course focuses on the management of interrelated human, fiscal, and materials resources within an educational setting. Attention is given to funding, budgeting, contractual obligations, and policies and procedures for staff and materials needs and utilization.

**EDAD 5895 Advanced Study in School Administration (4 units).**

This course focuses on areas of study and related competencies—identified by the candidate, coordinator, and school district, county office, or other educational agency person—which need to be pursued by the candidate, in addition to those selected from EDAD 5891, 5892, 5893, and 5894, consistent with the candidate's individualized induction, program development and assessment program plan. May be repeated for a total of 8 units.

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

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: Consent of adviser.

**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: EDCL 5640 or consent of instructor or adviser.

**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: Consent of adviser.

**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 or consent of adviser.

**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: Consent of adviser.

**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: Admission to a credential program or classroom teaching experience.

**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: Consent of adviser.

**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: Consent of adviser.

**EDCL 5760 Pupil Personnel Services Seminar (3units).**

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: Admission to the Pupil Personnel Services Credential Program or consent of adviser.

**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: At least one semester of EDCL 5940 or consent of adviser.

**EDCL 5940 Field Work: School Counseling (1-6 units).**

Actual work experience in the field for which student is seeking credential. Joint supervision by district and university. Weekly seminars at beginning and advanced levels. Prerequisites: EDCL 5640 and three of the four following courses: EDCL 5570, 5600, 5630, 5650 and consent of credential coordinator.

## **Graduate: Master's Core Classes**

### **EDGS 5010 Education in Society (3 units).**

Study of social forces influencing the educational process, the curriculum, and institutional and professional roles in American public education. Analysis of characteristics and problems of ethnic groups in school and society. Recommended for in-service elementary and secondary school teachers. Meets the foundations requirement for the Master of Arts degree in Education. Prerequisites: Post-baccalaureate standing, valid teaching experience or other appropriate experience; ultimately subject to consent of instructor.

### **EDGS 5040 Philosophy of Education (3 units).**

A study of modern philosophies of education and their significance for contemporary educational practices. Recommended for in-service elementary and secondary school teachers. Meets the foundations requirement for the Master of Arts degree in Education. Prerequisites: Post-baccalaureate standing, valid teaching experience or other appropriate experience; ultimately subject to consent of instructor.

### **EDGS 5050 Methods of Research in Education (4units).**

Application of methods of research to problems in education. Emphasis on research methodology of the social and behavioral sciences. Introduction to parametric and nonparametric statistics and their application to research problems. Prerequisites: Successful teaching or other appropriate experience and fully admitted to an MA Program in Education; ultimately subject to consent of instructor.

### **EDGS 5060 Theories of Instruction (3 units).**

Analysis and evaluation of learning and instructional theories as they apply to the classroom and other educational settings. Study of human teaching and learning. Field activity component included. Prerequisites: Successful teaching or other appropriate experience and fully admitted to an MA Program in Education; ultimately subject to consent of instructor.

### **EDGS 5950 Selected Topics in Advanced Studies in Education (Topics to be specified in Class Schedule) (1–5 units)**

Development of a selected topic in advanced studies in education. Topics vary each term. Prerequisite: Consent of education adviser.

### **EDGS 5960 Project (1–3 units).**

This enrollment involves individual consultation with members of the student's project committee. May be repeated for a total of 6 units. Prerequisite: Consent of the M.A. adviser.

### **EDGS 5980 Individual Study (1–4 units).**

For graduate classified students in need of advanced and specialized study beyond regularly offered courses and related to the thesis. 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: student's M.A. committee chair, graduate program coordinator, instructor who will monitor the individual study, Chair of the Department of Advanced Studies in Education, and Dean of the School of Education.

### **EDGS 5990 Thesis (1-3 units).**

This enrollment involves individual consultation with members of the student's thesis committee. May be repeated for a total of 6 units. Prerequisite: Consent of M.A. adviser.

## **Educational Technology: Upper Division**

*Note: Beginning January 1, 2000, CCTC requires students to fulfill Educational Technology course work at a beginning and advanced level. Contact the Educational Technology Program Coordinator for more information.*

### **EDIT 4710 Educational Software: Integration Strategies (3 units).**

A study of software evaluation methods, teaching strategies, and assessments for utilizing computer software effectively into K-12 curriculum. Development of curriculum for diverse learners in which software is integrated. Prerequisites: EDIT 4730 or equivalent; current basic teaching credential or admission to credential program.

### **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 significant project. Prerequisites: EDIT 4730 or equivalent; current basic teaching credential or admission to credential program.

### **EDIT 4730 Microcomputers, Curriculum, and Instruction (3 units).**

Examination and development of strategies for integrating microcomputers within the elementary and secondary school, with a focus on the following: educational computer literacy, data-processing and problem solving skills, software evaluation, simple programming and other curricular applications, testing and information storage and retrieval; social, legal, and economic issues and implications of computer technology.

### **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: EDIT 4730 or equivalent; current basic teaching credential.

### **EDIT 5110 Social Perspectives of Technology in Education (2 units).**

Ethical, human, and legal issues regarding technology in schools, business, and industry will be examined and applied. The emphasis is on implications for schools, learners, and teachers. Offered during even-year Fall semesters. This course is taught via the Internet, with no face-to-face meetings on campus. Prerequisites: EDIT 4730 or equivalent; current basic teaching credential.

### **EDIT 5120 School Technology Leadership (2 units).**

This course is an exploration of issues facing school technology leaders, including the evaluation of technology plans and investigation of grant proposal opportunities. Students will also apply what they have learned through observations in K-12 technology environments. Offered during odd-year Fall semesters. Prerequisites: EDIT 4730 or equivalent; current basic teaching credential.

### **EDIT 5130 Educational Technology Specialists (2units).**

Students will gain experience in management techniques for school/district technology specialists. Policies, procedures, and practices related specifically to K-12 integration of technology will be examined. Students will also develop skills in successful technology-related staff development, as well as in troubleshooting computer and network-related problems. Offered during even-year Spring semesters. Prerequisites: EDIT 4730 or equivalent; current basic teaching credential.



## **Special Education: Upper Division**

### ***EDSE 4110 Reading and Language Arts in General and Special Education (5 units).***

This course is 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 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 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 (3units).***

This course 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, and severe disabilities. Prerequisite: Admission to Special Education Credential Program.

### ***EDSE 4440 Students with Moderate and Severe Disabilities (3 units).***

This course is 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 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 4798 Student Teaching Seminar: Consultation and Collaboration - Moderate to Severe Disabilities (1 unit).***

This course provides information about working effectively with school/agency personnel and families of children with moderate/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. May be repeated for a total of 10 units.

### ***EDSE 4898 Student Teaching Seminar: Consultation and Collaboration - Mild to Moderate Disabilities (1unit).***

This course provides information about working effectively with school/agency personnel and families of children with mild/moderate disabilities. Corequisites: EDMC 4815 and EDSE 4815.

## **Graduate: Special Education**

### ***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. Prerequisite: 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 (3units).***

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 (3units).***

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.

# Physical Education and Health

**Office:** Field House 141  
(209) 667-3325

**Chair:** James C. Bowen

**Faculty:** James C. Bowen, J. Sue Fletcher, Robert R. Harris, John L. Jones, Kimberly J. Duyst, Ping Luo, LeAnn J. Millar, Martha M. Moren, Janet Schefkowitz

**Emeritus Faculty:** Richard D. Conant, Zaki I. Habashi, James K. Hanny, Wayne E. Nelson



Christian James Butterfield, Physical Education Major

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 may also pursue a Physical Education major by electing one of the following concentrations: Athletic Training, Health, or Wellness Management. A minor in Physical Education is also 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 Studies 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 health-related fields.

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. See the department secretary for the name of your assigned adviser.
3. Students interested in obtaining a teaching credential are strongly advised to confer with the Department of Teacher Education program adviser at the beginning of the junior year. An application for admission into the teacher education program is available at the campus bookstore.

*“The CSU Stanislaus Physical Education Department is small and close knit, so there’s always plenty of help and support from great people.”*

—Christian James Butterfield, Student

## CAREER OPPORTUNITIES

*Teacher, coach, athletic trainer, wellness management coordinator, personal trainer*

*Significant Experiences - a Challenge to Physical Education—“The only place where the average fellow still gets a totally integrating experience, one in which the whole individual acts, thinks and feels together—eyes, ears, muscles, brain, glands—everything, is in the gymnasium or on the athletic field. Maybe this is why play is so important to people; this is why youngsters like it so much.” —Arthur Steinhaus*

## 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 (12 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 adviser during each advising period concerning requirements, changes in curriculum, waivers, etc.
5. Completion of a minor is not required.
6. Any other concentration in the department does not qualify students for admission to the Credential Program.

### The Major (38 units)

1. **Group One** - Complete the following courses (18 units):  
PHED 3100 Foundations, History, and Philosophy of Physical Education, 3 units  
PHED 4100 Curriculum Organization, Administration, and Instruction of Physical Education, 3 units  
PHED 4200 Motor Learning, 3 units  
PHED 4300 Measurement and Evaluation in Physical Education, 3 units  
PHED 4400 Kinesiology, 3 units  
PHED 4500 Physiology of Exercise, 3 units
2. **Group Two** - Complete eight units from the following courses:  
PHED 3400 Elementary Physical Education, 3 units  
PHED 3700 Sport in Society, 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  
HLTH 4210 Secondary School Health and Safety, 3 units
3. **Group Three** - Complete four units from the following courses:  
PHED 3200 Theory of Coaching Football, 2 units  
PHED 3210 Theory of Coaching Basketball, 2 units  
PHED 3220 Theory of Coaching Baseball, 2 units  
PHED 3230 Theory of Coaching Track and Field, 2 units  
PHED 3240 Theory of Coaching Volleyball, 2 units  
PHED 3250 Theory of Coaching Softball, 2 units  
PHED 3260 Theory of Strength and Conditioning, 2 units
4. **Group Four** - Complete eight units from the following courses:  
PHED 3300 Theory and Analysis of Aquatic Sports, 2 units  
PHED 3310 Theory and Analysis of Combative Activities, 2 units  
PHED 3320 Theory and Analysis of Dance, 2 units  
PHED 3330 Theory and Analysis of Golf 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 Athletic Training

### Requirements

1. Complete the requirements for the Bachelor of Arts degree.
2. Complete the prerequisites to the major (13 units).
  - a. The following courses are required for physical education majors, and also fulfill general education requirements:  
BIOL 1010 Principles of Biology, (Lec), 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
  - 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 concentration of not less than 45 upper-division units.
4. This concentration does not qualify students for admission to the Credential Program.
5. Consult with the major adviser or department office during each advising period concerning requirements, changes in curriculum waivers, etc.
6. Completion of a minor is not required.

### The Concentration (45 units)

This option prepares the student to seek certification in Athletic Training from the National Athletic Training Association.

1. Complete the following courses (18 units):  
PHED 3100 Foundations, History, and Philosophy of Physical Education, 3 units  
PHED 4100 Curriculum, Organization, Administration and Instruction of Physical Education, 3 units  
PHED 4200 Motor Learning, 3 units  
PHED 4300 Measurement and Evaluation in Physical Education, 3 units  
PHED 4400 Kinesiology, 3 units  
PHED 4500 Physiology of Exercise, 3 units
2. Complete eight units from the following courses:  
PHED 3400 Elementary Physical Education, 3 units  
PHED 3700 Sport in Society, 3 units  
PHED 4800 Adapted Physical Education, 3 units
3. Complete the following courses (18-19 units):  
HLTH 3500 Drugs and the Athletic Environment, 2 units  
HLTH 3000 Prevention and Care of Athletic Injuries, 3 units  
HLTH 3030 Cardiovascular Health, Fitness, and Exercise, 3 units  
HLTH 3100 Foods and Nutrition, 3 units  
HLTH 3300 Advanced Prevention and Care of Athletic Injuries, 3 units  
PHED 3800 Sport Psychology, 4 units  
PHED 4940 Fieldwork or Practicum in Physical Education, 1-2 units

### Clinical Experience Requirements

In addition to completing the required academic course work as outlined for the Athletic Training Concentration within Physical Education and Health, students who wish to pursue Certification by the National Athletic Trainers Association must also complete 1500 hours of Supervised Clinical Experience.

This Clinical Experience is gained by working in the Athletic Training Room setting under the supervision of a Certified Athletic Trainer. The student gains experience in the field of Athletic Training by working in the Athletic Training Room and by serving as the Team Trainer for one or more of the CSU Stanislaus Intercollegiate Athletic teams.

In addition to working in the Training Room, upper-division students may have the opportunity to work outside of the University setting in local high schools or clinics. The student will also have the opportunity to work closely with physicians, physical therapists, and other health care providers in order to gain a variety of experiences as they relate to the field and profession of Athletic Training.

Upon completion of the required course work and the Supervised Clinical Experience, the student will be able to take the National Athletic Trainers Association Certification Exam enabling them to become a Certified Athletic Trainer.\*\*

While the pursuit of a Teaching Credential is not a requirement for the Athletic Training Concentration, it is recommended that the student consider this option. Upon completion of the Athletic Training Concentration and the Clinical Experience, a student who possesses a valid Teaching Credential will have a greater opportunity for employment in the secondary school setting.

## Bachelor of Arts, Physical Education Concentration in Health

### Requirements

1. Complete the requirements for the Bachelor of Arts degree. (Recommend HLTH 1000 in General Education area EI.)
2. Complete the prerequisites to the major (13 units).
  - a. The following courses are required for physical education majors and also fulfill General Education requirements:  
BIOL 1010 Principles of Biology, 3 units, **and**  
BIOL 1020 World of Biology Laboratory, 1 unit, **or**  
ZOOL 1050 Introduction to Zoology, 4 units  
PHED 1010-1990 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, 4 units
3. Complete the concentration of not less than 45 upper-division units.
4. Students interested in obtaining a teaching credential should refer to the catalog section on teaching credentials (Single Subject Waiver Program, Physical Education). Note: Those courses marked with an asterisk\* below will fulfill the requirement for the Supplemental Authorization in Health Science to the Single Subject or Multiple Subject credentials. This concentration does not qualify students for admission to the Credential Program.
5. Consult with the major adviser during each advising period concerning requirements, changes in curriculum waivers, etc.
6. Completion of a minor is **not** required.

### The Concentration (45-47 units)

1. Complete the following courses in the Physical Education major (27 units):  
PHED 3100 Foundations, History, and Philosophy of Physical Education, 3 units  
PHED 3400 Elementary Physical Education, 3 units  
PHED 3700 Sport in Society, 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  
PHED 4800 Adapted Physical Education, 3 units
2. Complete the following courses (14 units):  
HLTH 3500\* Drugs and the Athletic Environment, 2 units  
HLTH 3100\* Foods and Nutrition, 3 units  
HLTH 3030 Cardiovascular Health, Fitness, and Exercise, 3 units  
HLTH 4300\* Family Health, 3 units  
HLTH 4500 Health in a Diverse Society, 3 units
  3. Select 2 courses from electives (4-6 units):  
HLTH 4200\* Elementary School Health and Safety, 3 units **or**  
HLTH 4210\* Secondary School Health and Safety, 3 units  
EDUC 4200 Cultural Diversity and the Classroom, 3 units  
PSYC 3660 Psychology of Women, 3 units  
PSYC 3010 Child Abuse and Neglect, 1 unit  
SOCL 3150 The Family, 3 units  
SOCL 4710 Sociology of Aging, 3 units

## Bachelor of Arts, Physical Education Concentration in Wellness Management

### Requirements

1. Complete the requirements for the Bachelor of Arts degree. Recommend HLTH 1000 in General Education area E1.
  2. Complete the prerequisites to the major (13 units).
    - a. The following courses are required for physical education majors, and also fulfill General Education requirements:  
BIOL 1010 Principles of Biology, (Lec), 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
    - b. Required courses in related fields  
ZOOL 2230 Physiology (Lec), 3 units  
ZOOL 2232 Physiology (Lab), 1 unit  
ZOOL 2250 Human Anatomy (Lec/Lab), 4 units
  3. Complete the concentration of not less than 49 upper-division units.
  4. Students interested in obtaining a teaching credential should refer to the catalog section on teaching credentials (Single Subject Matter Preparation Program, Physical Education).
- Note: This concentration does not qualify students for admission to the credential program.*
5. Consult with the major adviser during each advising period concerning requirements, changes in curriculum, waivers, etc.
  6. Completion of a minor is not required.

\*\* First Aid and CPR Certification are required before sitting for the NATA Certification Exam.

## The Concentration (44-46 units)

- Complete the following courses in the Physical Education major (15 units).  
 HLTH 3000 Prevention and Care of Athletic Injuries, 3 units  
 PHED 3100 Foundations, History, and Philosophy 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
- Complete two of the following courses (6 units).  
 PHED 3400 Elementary Physical Education, 3 units  
 PHED 3700 Sport in Society, 3 units  
 PHED 4100 Curriculum, Organization, Administration and Instruction of Physical Education, 3 units  
 PHED 4200 Motor Learning, 3 units  
 PHED 4800 Adapted Physical Education, 3 units
- Complete the following courses for the concentration (17-19 units).  
 HLTH 3100 Foods and Nutrition, 3 units  
 HLTH 3030 Cardiovascular Health, Fitness, and Exercise, 3 units, **or**  
 HLTH 4040 The Athlete's Heart, 3 units  
 HLTH 4600 Health and Fitness Assessment, 3 units  
 HLTH 4650 Health and Fitness Program Design, 2 units  
 HLTH 4900 Fieldwork or Practicum in Health, 4-6 units  
 PHED 3370 Theory and Analysis of Fitness Activities, 2 units
- Complete 2 courses from the following related fields (6 units).  
 COMM 3120 Management Communication, 3 units  
 MGT 3310 Management Theory and Practice, 3 units  
 PSYC 3340 Human Development III: Adulthood and 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 multiple subjects or single subject credentials are referred to the "School of Education, Teacher Education" section of this catalog for a description of teaching credential programs.

## Single Subject Matter Preparation Program in Physical Education (Teacher Preparation and Licensing Law of 1970, Ryan Bill)

Students who enrolled in the old "Waiver" program (prior to September 1, 1996) must complete all requirements by September 1, 1999. All other students must complete the Single Subject Matter Preparation program presented below. Please refer to the "School of Education, Teacher Education" section of this catalog for a description of other requirements.

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 PRAXIS Examination in Physical Education Tests #20093 and #30092, **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

- Complete the requirements for the Bachelor of Arts Degree.
- Complete the prerequisites to the major (4 units):  
 BIOL 1010 Principles of Biology, 3 units  
 BIOL 1020 World of Biology Laboratory, **or**  
 ZOOL 1050 Introduction to Zoology, 4 units
- 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

- 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, 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
- 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
- Complete the following course work in movement concepts and forms (20 units):
  - 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 3240 Theory of Coaching Volleyball, 2 units  
 PHED 3330 Theory and Analysis of Golf/Archery, 2 units, **or**  
 PHED 3350 Theory and Analysis of Racquet Sports, 2 units  
 PHED 3370 Theory and Analysis of Fitness Activities, 2 units  
 PHED 3650 Outdoor Education, 2 units

**b.** Select 3 courses from Group B (6 units):  
*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 3360 Theory and Analysis of Team Sports, 2 units

## Liberal Studies Concentration in Physical Education

### Requirements (20 units)

- Complete the following courses (6 units):  
 PHED 3400 Elementary Physical Education, 3 units  
 PHED 4200 Motor Learning, 3 units
- Complete one course from Group One of the Physical Education major program other than PHED 4200 (3 units).
- Complete one course from Group Two of the Physical Education major program other than PHED 3400 (3 units).
- Complete three courses from Group Four of the Physical Education major program (6 units).
- Complete elective units to total 20 units from groups 1, 2, 3, or 4 of the Physical Education major program.

## Master of Arts, Education with Concentration in Physical Education

*Note: See the "Graduate Studies" section in this catalog for procedures and policies related to this degree.*

### Requirements (31 units)

- Complete the following courses (31 units):  
 EDGS 5010 Education in Society, 3 units, **or**  
 EDGS 5040 Philosophy of Education, 3 units  
 EDGS 5050 Methods of Research in Education, 4 units  
 EDGS 5060 Theories of Instruction, 3 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  
 PHED 5990 Thesis, 4 units

*Note: Three units of electives may be taken upon advisement.*

- Electives - 3 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 by passing a proficiency test and written examination.

### Fitness and Conditioning

- PHED 1010 Backpacking  
 PHED 1030 Cycling  
 PHED 1050 Jogging  
 PHED 1060 Ski Conditioning  
 PHED 1070 Judo  
 PHED 1110 Personal Defense  
 PHED 1120 Individualized Fitness  
 PHED 1130 Weight Training

### Individual and Dual Sports

- PHED 1200 Archery  
 PHED 1220 Advanced Archery  
 PHED 1230 Badminton  
 PHED 1260 Bowling  
 PHED 1290 Canoeing  
 PHED 1330 Golf  
 PHED 1420 Racquetball  
 PHED 1430 Intermediate Racquetball  
 PHED 1450 Skiing  
 PHED 1480 Tennis  
 PHED 1510 Casting & Angling

### Aquatics

- PHED 1610 Swimming  
 PHED 1620 Intermediate Swimming  
 PHED 1630 Advanced Swimming  
 PHED 1640 Life Saving

### Team Sports

- PHED 1740 Basketball (M)  
 PHED 1770 Basketball (W)  
 PHED 1820 Soccer  
 PHED 1850 Softball  
 PHED 1870 Volleyball  
 PHED 1880 Intermediate Volleyball  
 PHED 1890 Advanced Volleyball

### Dance

- PHED 1920 Modern Dance  
 PHED 1930 Inter. Modern Dance  
 PHED 1950 Social Dance  
 PHED 1960 Modern Jazz Dance  
 PHED 1965 Inter Modern Jazz Dance  
 PHED 1990 Dance Aerobics

## Physical Education

### 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, 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 (W)

### Upper Division

#### **PHED 3100 Foundations, History, and Philosophy of Physical Education (3 units).**

Historical factors and forces guiding the development of physical education; objectives of current physical education and its contribution to the full development of man; development of professional understanding and attitude. Philosophical thoughts guiding the development of physical education from ancient to modern times. (Fall, Spring)

#### **PHED 3200–3250 Theory of Coaching (2 units).**

Principles, psychology, and coaching techniques underlying participation in competitive interscholastic athletics. PHED 3200, Football (corequisite: PHED 3203); 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. This course is 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. (Fall, 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. Corequisite: PHED 3653. (Lecture, 1 hour; activity, 2 hours)

#### **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.

#### **PHED 3750 Women in Sport (3 units).**

(Same as WMST 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.

#### **PHED 3800 Sport Psychology: Concepts and Applications (3 units).**

The purpose of this course is to provide students with basic background information about the subject of Sport Psychology. It will examine 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).**

This course is to provide 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).**

To introduce 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 handicaps which occur in students, the ways in which physical education activities are modified to meet the movement needs of handicapped students, and the laws of the State of California which have implications for the physical education program for handicapped 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

### 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 (3units).**

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 3300 Advanced Care and Prevention and Rehabilitation of Athletic Injuries (3 units).**

Advanced study in athletic training including organization and administration, injury recognition, evaluation, and rehabilitation. Course provides for advanced study in prevention, care, and reconditioning of athletic injuries for students who would like to pursue the field professionally. Emphasis will be placed on developing a theoretical understanding and rationale, practical application, special care prevention, and reconditioning in the administration of an athletic training program. It will also integrate athletic training principles and involve students in application of the principles for various types of athletic injuries. Prerequisite: HLTH 3000.

#### **HLTH 3500 Drugs and the Athletic Environment (2units).**

(Formerly HLTH 2300) This course will address the drug problem affecting the sports environment. Emphasis will be on drug identification and the medical, abusive, and recreational use of drugs. Consideration will be given to available treatment facilities. (Fall, Spring)

#### **HLTH 4040 The Athlete's Heart (3 units).**

A study of the anatomical structure and physiological function of the heart. Analysis of the athletic heart and how it differs in structure and function from the normal heart.

#### **HLTH 4200 Elementary School Health and Safety (3units).**

(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 (3units).**

(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 4300 Family Health (3 units).**

Analysis of the role of the family unit in maintaining health of individual members. The relationship of health and success in the school learning environment is emphasized.

#### **HLTH 4500 Health in a Diverse Society (3 units).**

This course 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 (2units).**

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, PHED 3260, 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) This course is 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. 

# Teacher Education

Office: Demergasso-Bava Hall 330  
(209) 667-3367

Chair: Juan M. Flores

Website: [www.csustan.edu/TeacherEd/](http://www.csustan.edu/TeacherEd/)

## Faculty:

Melissa M. Aronson	Helena Janes
Brenda Betts	Doni K. Kobus
Chris Boosalis	Pamela M. Russ
Marylee Bradley	Armin R. Schulz
Sharon Evans Brockman	Fay Shin
Elmano Costa	Nancy Jean Smith
Diana Mayer Demetrulias*	Janet H. Towell
Jane E. Diekman*	Anthony T. Vang
Juan M. Flores	Irma Guzman Wagner
Kathleen A. Galbo	Joan E. Wink
Sara Garfield	Roy Y. Yasui*
Leodoro Hernandez*	

## Emeritus Faculty:

James Cole*	Elizabeth Papageorge
Joseph Corbin*	Haig Rushdoony*
Charles Farrar*	Priscilla R. Smith*
Jack A. Graves*	William Webster*

*Note: Asterisks indicate faculty with joint appointments in the Department of Advanced Studies in 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 Studies Office in the Library Building.



Jennifer Vickers, Liberal Studies and English Major

*“Since I was a child, I wanted to become a teacher. The program here at CSU Stanislaus has fully prepared me to reach this goal.”*

—Jennifer Vickers, Student

## 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; teaching in state and federally funded grants for adult education.

## 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).

*Note: All requirements are subject to change based on CCTC requirements, Chancellor's Office mandates, and Department of Teacher Education policies. In addition, courses which are more than seven years old will generally not be accepted to fulfill professional clear credential requirements.*

## Multiple Subject Credential Program (MSCP)

Credentials program courses are offered in Turlock, Stockton, and Merced.

Overall Coordinator/Adviser: Elmano Costa

Spanish BCLAD Coordinator/Adviser: Leodoro Hernandez

Southeast-Asian BCLAD Coordinator/Adviser: Tony Vang

Teaching Internship Coordinator/Adviser: Elmano Costa

Chair of Selection and Review Committee: Sharon Brockman

*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 present requirements for the credential. For present requirements, consult the "Handbook for the Multiple Subject Credential Program" which is available at Kiva Bookstore, on reserve at the university library, and on-line at: [www.csustan.edu/TeacherEd/MSCP/](http://www.csustan.edu/TeacherEd/MSCP/)*

The Multiple Subject Credential authorizes the holder to teach all subjects in self-contained classes from preschool through high school and core classes in middle/junior high school.

CSU Stanislaus offers the following emphases (specializations) in the Multiple Subject Credential:

- CLAD (Crosscultural, Language, and Academic Development) prepares holders to teach English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) to second language learners as well as to native English speakers.
- Spanish BCLAD (Spanish Bilingual, Crosscultural, Language, and Academic Development) prepares holders to teach in Spanish bilingual as well as English-only classrooms.
- Hmong BCLAD (Hmong Bilingual Crosscultural, Language, and Academic Development) prepares holders to teach in Hmong bilingual as well as English-only classrooms.
- Lao BCLAD (Lao Bilingual, Crosscultural, Language, and Academic Development) prepares holders to teach in Lao bilingual as well as English-only classrooms.
- Cambodian BCLAD (Cambodian Bilingual, Crosscultural, Language, and Academic Development) prepares holders to teach in Cambodian (Khmer) bilingual as well as English-only classrooms.

## Internship Program for Students in CLAD/BCLAD 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. In order to qualify for the internship, students must meet all of these requirements:

1. Apply and be admitted to the university postbaccalaureate program.
2. Apply and be admitted to the Multiple Subject Credential Program.
3. Complete a form of interest in being an intern (completed at orientation meeting).
4. Be recommended for an Internship by the Selection and Review Interview Committee.
5. Complete a B.A./B.S.
6. Pass the CBEST exam.
7. Complete an approved subject matter preparation program or pass MSAT (Form V).
8. Pass college course work or exam on the U. S. Constitution.
9. Be hired by a school district that is a partner with CSU Stanislaus in the intern program.
10. Have Tuberculosis (TB) clearance.
11. Have fingerprint clearance (Certificate of Clearance).
12. Complete one of the following:
  - a. Four methodology courses (reading, math, science, social studies), **or**
  - b. Complete the following two courses: PSYC/CDEV 3140 Human Development I: Childhood, or equivalent course  
EDUC 4500 Instruction, Assessment, and Management for Beginning Teachers and Interns

Consult the "Intern Handbook" available on-line at [www.csustan.edu/TeacherEd/MSCP/](http://www.csustan.edu/TeacherEd/MSCP/) or in the Field Services Office for specific procedures and requirements.

## Undergraduate Preparation for the Multiple Subject Credential Program

There are two routes to the Credential Program:

1. Liberal Studies Waiver Program. This program meets all requirements for Subject Matter Competence, **or**
2. Graduate students who already have a degree in any field. Students whose degree is not the Liberal Studies Waiver Program must take and pass the Multiple Subject Assessment for Teachers (MSAT) Exam.

Students planning to obtain 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.

## Blended Liberal Studies/Credential Program

Beginning in the Fall 1999, students enrolled in the Liberal Studies Program will be participating in a program which combines the course requirements for the Bachelor's degree in Liberal Studies with requirements for the Multiple Subject Credential Program so that students will complete their degree and credential together and in a shorter amount of time. Contact the Liberal Studies office for updated information on this program.

### Application Procedures

The application forms are included in the back of the "Handbook for the Multiple Subject Credential Program" which is available at Kiva Bookstore, on reserve at the university library, and online at [www.csustan.edu/TeacherEd/MSCP/](http://www.csustan.edu/TeacherEd/MSCP/)

Applications are submitted about six months prior to the semester in which the student plans to enroll. For Fall semester, applications are accepted in late February/early March and for Spring semester, applications are accepted in late September/early October. Exact dates are noted on the cover of the "Handbook" or you may contact the Department of Teacher Education for information time lines.

Application procedures are as follows:

1. Submit a completed application packet (see the Application Form for exact contents).
2. Attend an orientation session to the program.
3. Be interviewed by a committee composed of University professors and representatives of school districts.

### Program Requirements

In the preparation of CLAD/BCLAD candidates, the credential program consistently incorporates four basic themes: pluralism, empowerment, equity, and change. These are reflected in program requirements listed below.

Please note that there are three sets of requirements: general requirements, corequisite courses, and program courses. The general requirements and corequisite requirements are the same for CLAD and BCLAD candidates unless otherwise noted. These may be transferred from other colleges/universities. The program course requirements are different for each emphasis and are listed separately in the following sections.

### General Requirements

#### 1. Subject Matter Preparation/MSAT and Subject Matter Competence - Form V

There are two ways to meet the California requirements for Subject Matter Preparation:

- a. Complete an approved Waiver/Subject Matter Preparation program from a California college or university with a CCTC approved Liberal Studies Waiver Program for Multiple Subject, **or**
- b. Pass the Multiple Subject Assessment for Teachers (MSAT). Bulletins for the PRAXIS Series Tests containing the MSAT application are available in the Credential Processing Center on the Turlock Campus or in the Administrative Office at the Stockton Center. The MSAT is a five-hour, two-part test.

Applicants do not need to have completed the subject matter preparation/MSAT requirement before admission to the credential program. However, applicants who are not completing a degree in an approved Liberal Studies Multiple Subject Waiver Program must have already registered to take or have passed the MSAT at the time they apply for the credential program. Proof of registration will be required with the application.

Upon completion of either the approved Multiple Subject Waiver Program or passing MSAT, applicants must personally show test score transcripts to Dr. Peter Finley in the Liberal Studies Office for verification of subject Matter Competence Form V. The original MSAT score form must also be turned in to the Credential Processing Center.

An approved Form V Subject Matter Competence must be on record in the Credential Processing Center before a credential program student can proceed to student teaching or become an intern teacher.

#### 2. CBEST

Applicants must have registered for or have passed the California Basic Educational Skills Test (CBEST) before applying to the Multiple Subject Credential Program. However, it is not required that a student pass the test before applying to the credential program. It is highly recommended that this test be taken as early as possible. CBEST Registration Bulletins are available in the Credential Processing Center and Testing Office on the Turlock Campus and in the Administration Office at the Stockton Center. A recent ruling by the Commission on Teacher Credentialing allows students to choose to take one, two, or all three parts of the test during the four hour period. Students must pass the entire test in order to be recommended for a Preliminary Multiple Subject Teaching Credential. Proof of registration is required with the application.

#### 3. Admission to CSU Stanislaus

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 at the Turlock campus in the Admissions Office for undergraduates and in the Graduate Office for postbaccalaureate students or at the Stockton Center. Application to the University requires a separate set of transcripts. If you graduate while in the credential program, you must immediately reapply to the University and be admitted to continue in the program.

#### 4. Grade Point Average (GPA) Requirements

The minimum acceptable grade point average to be admitted to the credential program has been established for the CSU System by the Chancellor's Office. The minimum grade point average varies by degree and by campus. The grade point average is determined based on **all** cumulative undergraduate course work completed at all junior colleges, colleges, and universities attended prior to the application deadline.

**CSU Stanislaus Resident Student** - Applicants who have completed 30 or more semester units at CSU Stanislaus prior to the MSCP application deadline must meet the median cumulative grade point average of their major at CSU Stanislaus.

**Other CSU Students** - Applicants who have earned a bachelor's degree at a CSU campus other than Stanislaus or who have earned less than 30 semester units from CSU Stanislaus prior to the MSCP application deadline must meet the median cumulative grade point average of their major from the institution granting the degree or from the institution from which they are transferring.

**Non-CSU Students** - Applicants from other colleges/universities completing less than 30 units at CSU Stanislaus prior to the MSCP application deadline must meet the median cumulative grade point average of their major at the CSU system as a whole (last line on grade point average chart).

**Students with degrees earned ten or more years before application deadline** - Students with older degrees may request to have current minimum grade point average requirement waived (if all other criteria for admission have been met). The decision of whether to waive this requirement is the sole discretion of the Department of Teacher Education. Check with the Department of Teacher Education for the current status of this option.

*Note: Students must still meet the 2.5 grade point average required for admittance to the University.*

**Special Admittance Criteria** - The Department is allowed to admit up to 15% of its students who do not meet admittance requirements. The criteria for special admittance is the sole discretion of the Department of Teacher Education. Students who are below the minimum grade point average according to the criteria must submit a letter noting the exception and request special consideration. Admission for such students will be determined on an individual basis.

### GPA Requirements to Progress to Student Teaching

In order to enroll in student teaching, the student must have completed the MSCP program courses with a minimum grade point average of 3.0 and received no grade below a C. Interns must have a grade point average of 3.0 and no grade lower than a C during each semester in order to continue as an intern.

*Note: These requirements are currently being revised by the Chancellor of the California State University System. It is known that the new regulations require that "the candidate shall have attained a grade point average that is greater than the median undergraduate grade point average of students pursuing comparable undergraduate curricula." Final regulations have not been issued. Contact the Department of Teacher Education for updates on this matter.*

### 5. Reading Instruction Competence Assessment (RICA)

This test assesses a candidate's knowledge of how to teach reading. Applicants for a Multiple Subject Credential must pass this exam in order to qualify for the credential. It is advisable that applicants apply for this after completing the credential program course on how to teach reading. Test booklets and information are available in the Credential Processing Center and at the Stockton Center.

### Corequisite Course Requirements

#### 1. English Composition

Applicants must satisfactorily complete an upper-division English composition course that is listed as a "WP" in the course catalog. Applicants who have already completed their degree can substitute a score of 41 or higher on the writing section of the CBEST in place of the composition course. Score transcripts for the CBEST must be submitted to the Credential Processing Center if the CBEST score is used to meet this requirement.

#### 2. Government

Applicants must satisfactorily complete a course which includes the study of national government, including the U.S. Constitution (PSCI 1201 *American Government* or equivalent). If the equivalent of this course was passed by exam, the results must be posted on an official transcript and submitted with the Multiple Subject Credential Program application.

#### 3. Child Development

Applicants must satisfactorily complete a course which focuses on child growth and development from birth to adolescence (PSYC/CDEV 3140 *Human Development I: Childhood* or equivalent). A lower-division course may be taken to meet this requirement.

#### 4. Second Language Experience

**CLAD** - Applicants must satisfactorily complete six units of lower- or upper-division course work in a second language or three years of high school foreign language of the same language with a grade B or better. All units must be in the same language. Students with previous second language experience should consult the CLAD Second Language Requirement Information sheet for alternative experiences which count toward meeting this requirement.

**BCLAD** - Language Proficiency - Satisfactory completion of entry and exit language proficiency criteria in the language specified by the chosen credential is required. Students will take a proficiency test prior to or upon admittance to the program. Contact the Department of Teacher Education to register for the proficiency test.

### 5. Crosscultural Experience

Evidence of satisfactory completion of upper-division, crosscultural course work (one of these courses or an equivalent course):

ETHS 4200 The Minority Experience, 3 units

SOCL 3250 Social Issues in Crosscultural Perspective, 3 units

SOCL 4010 Race and Ethnic Relations, 3 units

COMM 4160 Intercultural Communication, 3 units

WMST 4350 Multiculturalism: From Bias to Reality, 3 units

### 6. Diversity in the Classroom

Satisfactory completion of a course which covers diversity in the classroom (such as EDUC 4200 *Cultural Diversity and the Classroom* or equivalent) is required. Since this course is designed as an introduction to the credential program, it is advisable to take this course prior to or during the first semester in the program.

### 7. Early Field Experience

Almost all course work in the Multiple Subject Credential Program requires students to complete either observation or practice teaching in public school classrooms. To meet the Early Field Experience Requirement, students must complete 30 hours of directed observation and have experience working with students in public elementary classrooms (grades K-3 and 4-6). In order to meet the requirements of the Crosscultural, Language, and Academic Development (CLAD) and Bilingual Crosscultural, Language, and Academic Development (BCLAD) credentials, the observations and experiences must take place in classrooms with at least a 25% culturally diverse student population. The 30 hours of directed observation required as a component of EDUC 4200 *Cultural Diversity and the Classroom* may be used to fulfill this requirement.

### 8. Course on Foundations of Multilingual Education

Satisfactory completion of EDUC 4400 *Introduction and Foundation of Multilingual Education*, 3 units, or an equivalent course.

### 9. Target Culture

**Required for BCLAD credential students only.** Satisfactory completion of one of these courses is required:

#### BCLAD Spanish

ETHS 2100 Contemporary Chicano Studies, 3 units

ETHS 3000 Mexican American Politics Since 1850, 3 units

ETHS 3110 Chicano Images in Arts and Film, 3 units

ETHS 4000 Mexican American Family, 3 units

ETHS 4100 Chicanos in Education, 3 units

HIST 4500 History of Mexico, 3 units

HIST 4710 Mexican American History, 3 units

SPAN 3700 La Literatura Femenina Hispánica, 3 units

SPAN 3900 Cultura y Literatura Chicana, 3 units

SPAN 4600 Literatura Mexicana, 3 units

#### BCLAD Southeast Asian

ANTH 3106 Peoples and Cultures of Asia, 3 units

EDUC 4300 Teaching the Cultural Heritage of the Hmong and Lao People, 3 units

ETHS 2200 Contemporary Asian American Studies, 3 units

ETHS 3100 Asian American Images in the Arts and Media, 3 units

ETHS 4030 Asian American Families, 3 units

GEOG 3580 Cultural Ecology of Southeast Asian Peoples, 4 units

## Program Courses

The program courses are different for each area of emphasis: CLAD, Spanish BCLAD, Southeast Asian BCLAD. Please consult the sections which follow for your area of emphasis.

## CLAD Emphasis

### Credential Requirements

**Complete the following courses (29 units):**

**Level One: Foundations Course Work**

The following course is completed during the initial phase of the credential program.

EDUC 4400 Introduction to Multilingual Education, 3 units

**Level Two: Methodology Course Work**

The following courses are completed **after** acceptance to the credential program. Levels One and Two course work may be taken concurrently.

EDMC 4110 Reading/Language Arts: A Holistic Perspective, 5 units

EDMC 4120 Elementary Curriculum and Instruction: Mathematics, 3 units

EDMC 4130 Elementary Curriculum and Instruction: Science, 3 units

EDMC 4140 Elementary Curriculum and Instruction: Social Studies, 3 units

**Level Three: Student Teaching**

The following courses are taken upon successful completion of Levels One and Two course work.

EDMC 4815 Multiple Subject CLAD Student Teaching I, 5 units

EDMC 4816 Multiple Subject CLAD Student Teaching II, 5 units

EDMC 4898 Student Teaching Seminar, 2 units

## BCLAD Emphasis (Spanish)

### Credential Requirements

**Complete the following courses (29 units):**

**Level One: Foundations Course Work**

The following course is completed during the initial phase of the credential program.

EDUC 4400 Introduction to Multilingual Education, 3 units

**Level Two: Methodology Course Work**

The following courses are completed **after** acceptance to the credential program. Levels One and Two course work may be taken concurrently.

EDSB 4110 Reading/Language Arts: A Holistic Perspective, Bilingual, 5 units

EDSB 4120 Elementary Curriculum and Instruction: Mathematics, Bilingual, 3 units

EDSB 4130 Elementary Curriculum and Instruction: Science, Bilingual, 3 units

EDSB 4140 Elementary Curriculum and Instruction: Social Studies, Bilingual, 3 units

**Level Three: Student Teaching**

The following courses are taken upon successful completion of Levels One and Two course work.

EDSB 4815 Multiple Subject BCLAD Student Teaching I, 5 units

EDSB 4816 Multiple Subject BCLAD Student Teaching II, 5 units

EDSB 4898 Student Teaching Seminar, 2 units

## BCLAD Emphasis (Southeast Asian Language: Cambodian, Hmong, Lao)

### Credential Requirements

**Complete the following courses (29 units):**

**Level One: Foundations Course Work**

The following course is completed during the initial phase of the credential program.

EDUC 4400 Introduction to Multilingual Education, 3 units

**Level Two: Methodology Course Work**

The following courses are completed after acceptance to the credential program. Levels One and Two course work may be taken concurrently.

EDAB 4110 Reading/Language Arts: A Holistic Perspective, Bilingual, 5 units

EDAB 4120 Elementary Curriculum and Instruction: Mathematics, Bilingual, 3 units

EDAB 4130 Elementary Curriculum and Instruction: Science, Bilingual, 3 units

EDAB 4140 Elementary Curriculum and Instruction: Social Studies, Bilingual, 3 units

**Level Three: Student Teaching**

The following courses are taken upon successful completion of Levels One and Two course work.

EDAB 4815 Multiple Subject BCLAD Student Teaching I, 5 units

EDAB 4816 Multiple Subject BCLAD Student Teaching II, 5 units

EDAB 4898 Student Teaching Seminar, 2 units

## Multiple Subject CLAD/BCLAD Internship Credential Program

### Course Sequence for Interns

The course sequence for interns is to be decided between the student, the university adviser, and the employing district. The goal is to sequence courses in a way that is most appropriate for the needs of the student. It is advisable that interns not attempt to carry a full-load of courses.

The following is a recommended sequence of courses for students who become interns when they first enter the multiple Subject credential program:

**Semester One**

EDMC/EDSB/EDAB 4110 Reading Language Arts: A Holistic Perspective, 5 units

EDMC/EDSB/EDAB 4815 Multiple Subject CLAD Student Teaching I, 5 units

EDMC/EDSB/EDAB 4898 Student Teaching Seminar, 2 units

**Semester Two**

EDMC/EDSB/EDAB 4120 Elementary Curriculum and Instruction: Mathematics, 3 units

EDMC/EDSB/EDAB 4130 Elementary Curriculum and Instruction: Science, 3 units

EDMC/EDSB/EDAB 4816 Multiple Subject CLAD Student Teaching II, 5 units

**Semester Three**

EDMC/EDSB/EDAB 4140 Elementary Curriculum and Instruction: Social Studies, 3 units

EDUC 4400 Introduction to Multilingual Education, 3 units

**Semester Four**

Any other courses needed to meet all the requirements for the preliminary or clear credential.

## Professional Clear Multiple Subject Credential: MSCP, 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

Coordinator: Jane E. Diekman

*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 present requirements for the credential. For present requirements, consult the "Single Subject Credential Program Overview and Application Packet" which is available at Kiva Bookstore on the Turlock campus and the CSU Stanislaus - Stockton (MCRC) or on reserve at the university library and at the MCRC. This packet is also available on-line at [www.csustan.edu/TeacherEd/SSCP/](http://www.csustan.edu/TeacherEd/SSCP/)*

The following credentials options may be completed through the Single Subject Credential Program:

- Preliminary Single Subject Credential: Non-emphasis
- Preliminary Single Subject Credential: Crosscultural, Language and Academic Development (CLAD) Credential
- Preliminary Single Subject Credential: Bilingual Crosscultural, Language and Academic Development (BCLAD) Emphasis - Spanish
- Professional Clear Single Subject Credential: Single Subject, CLAD, or BCLAD

## Single Subject Credential Non-emphasis, CLAD and BCLAD Programs

Requirements *common* to all of the above programs are as follows:

### Admission Requirements

1. Obtain an application packet for admission to the Single Subject Credential Program (SSCP). (See above under *Note*). The application folder must be completed and submitted early in the semester preceding admission to the program. See application packet for specific date.
2. Minimal grade point average requirements for admission are explained in the SSCP application packet. Requests for exceptions to grade point average criteria must be made in writing to the SSCP Selection and Review Committee. See application packet for details. A 3.0 grade point average must be maintained in credential program courses with no grade lower than a C.
3. Students must have applied to take the state basic skills proficiency examination (CBEST) before applying for admission.
4. Students must submit a Certificate of Clearance form when they apply for the program. Copies of the form are available in the Credential Processing Center.
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. The request must be approved by the committee. Failure to comply 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.



## Academic Requirements

1. Complete one of the following single subject matter preparation programs or earn a passing score on the California Commission on Teacher Credentialing (CCTC) approved examinations as required. Obtain subject matter preparation program advisement from the appropriate academic department listed as follows:

Subject Matter Preparation Program	Academic Department
Art	Art
English	English
French, German, Spanish	Modern Languages
Mathematics	Mathematics
Music	Music
Physical Education	Physical Education
Science	Biology, Chemistry, Physics, Geology
Social Science	Social Science

*Note: The University does not offer subject matter preparation programs in agriculture, business, health, home economics, industrial arts, but students who have completed approved subject matter preparation programs elsewhere or passed the CCTC-approved exams in these subjects may apply to the program.*

2. Complete the Graduation Writing Requirement, **or** a verified score of 41 on the writing portion of CBEST.
3. Complete PSCI 1201 **or** an equivalent course which fulfills the U. S. Constitution requirement to qualify for a teaching credential.
4. Submit verification of subject matter competence. Students who meet subject matter requirements through the subject matter preparation program or CCTC-approved exams must have subject matter competence determined by the appropriate academic department at CSU Stanislaus.

*Note: This requirement is in addition to that described in #1 above.*

## 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. Starts of the program are available for both Fall and Spring semesters.

## Single Subject Credential Program: Non-emphasis

In addition to the *common* requirements stated above, additional requirements are the following:

### Pre-Professional Program Requirements: Non-emphasis

1. Complete EDUC 3500 *Early Field Experience* **or** EDUC 4200 *Diversity in the Classroom* or an equivalent course as approved by the coordinator. Requirement must be completed prior to starting the program.
2. Complete PSYC 3240 or CDEV 3240 *Human Development II: Adolescence* **or** an equivalent course approved by the coordinator. Requirement must be completed in order for the student to be recommended for the credential.

### Professional Program Course Requirements: Non-emphasis

- EDRG 3470 Reading Instruction in the Secondary School, 3 units
- EDSS 4150 Effective Teaching in the Secondary School I, 2 units
- EDSS 4160 Effective Teaching in the Secondary School II, 4 units
- EDSS 4170 Effective Teaching in the Secondary School III, 2 units
- EDSS 4180 Single Subject Instruction I, 2 units
- EDSS 4190 Single Subject Instruction II, 2 units
- EDSS 4850 Field Practicum: Secondary Education I, 6 units
- EDSS 4855 Field Practicum: Secondary Education II, 6 units

## Single Subject Credential CLAD/BCLAD Emphasis Programs

In addition to the *common* SSCP requirements, additional requirements for the CLAD/BCLAD are the following:

### Pre-Professional Program Requirements: CLAD/BCLAD Emphasis

1. Complete EDUC 4200 *Diversity in the Classroom* **or** an equivalent course approved by the coordinator. Requirement must be completed prior to starting the program.
2. Complete PSYC 3240 *or* CDEV 3240 *Human Development II: Adolescence* **or** an equivalent course approved by the coordinator. Requirement must be completed in order for the student to be recommended for the credential.
3. Complete EDUC 4430 *Cross-Cultural Techniques for Teachers* **or** an equivalent course approved by the coordinator.
4. Complete Upper-Division General Education multicultural requirement with one of the following courses: ETHS 4200 *or* ETHS/WMST 4350 **or** SOCL 3250 **or** SOCL 4010 **or** COMM 4160 **or** an equivalent course approved by the coordinator.
5. **Second Language Experience (CLAD):** Satisfactory completion of six units of college course work in one language other than English is required. Students with previous second language experience should consult the CLAD Second Language Requirement Information sheet in the Department of Teacher Education Office or Credential Processing Center to determine whether they are eligible to challenge this requirement.
6. **Second Language Proficiency (BCLAD):** Satisfactory completion of entry and exit Spanish language proficiency criteria is required. See the coordinator for further information.

**Additionally**, for **BCLAD** candidates only, one of the following courses:

ETHS 2100, ETHS 4000, HIST 4500, HIST 4510, or HIST 4710 **or** an equivalent course approved by the coordinator.

### Professional Program Course Requirements: CLAD and BCLAD

EDSC 4100 Secondary Education I, 4 units  
 EDSC 4300 Secondary Education II, 4 units  
 EDSC 4400 Secondary Education III, 4 units  
 EDSC 4115 Reading and Writing in the Secondary Content Area, 5 units, CLAD  
 EDSB 4115 Reading and Writing in the Secondary Content Area, 5 units, BCLAD  
 EDSC 4500 Secondary Education in a Global Society, 3 units  
 EDSC 4850 Secondary Education Field Practicum I, 3 units  
 EDSC 4855 Secondary Education Field Practicum II, 3 units

## Professional Clear Single Subject Credential: Non-emphasis, CLAD, or BCLAD

Adviser: Jane E. Diekman

### Requirements (30 units)

1. To be recommended for a professional clear credential, the applicant must complete a 30-unit approved program of postbaccalaureate upper-division/graduate course work with a minimum grade point average of 3.0, including at least 18 units of resident course work preferred of which 12 units relate to single subject teaching. The 30-unit program must be planned with and approved by the single subject clear credential adviser. An applicant is urged to consider course work which applies toward the Crosscultural Language and Academic Development (CLAD) Certificate (if not holding a CLAD or BCLAD preliminary credential) and/or an advanced credential and/or an M.A. degree program. However, such a plan requires consultation with the appropriate certificate/advanced credential/M.A. area coordinator.
2. The following courses are required of all applicants to obtain a clear credential:
  - EDIT 4730 Microcomputers, Curriculum, and Instruction, 3 units
  - EDSE 4130 Special Education Strategies for the Classroom Teacher, 3 units
  - HLTH 4210 Secondary School Health and Safety, 3 units
3. Verification of having met the CPR requirement through course work or the appropriate current CPR card.
4. Courses which are more than seven years old generally will not be accepted to fill professional clear credential requirements.

## Reading/Language Arts Specialist Credential

Coordinator: Janet H. Towell

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.

### 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, EDMC 4110, EDSB 4110, or EDAB 4110.

### Requirements (27 units)

*Note: These requirements are associated with the Reading/Language Arts Specialist Credential Program. Some courses are also included in the Master of Arts degree in Reading.*

1. Complete the following courses (27 units):  
EDRG 4100 Reading and Language Arts Instruction: K-12, 3 units  
EDRG 4150 Reading: Literature-based Instruction for Children, 3 units  
ENGL 4630 Adolescent Literature, 3 units, *or*  
EDRG 4240 Reading Instruction in the Primary Grades, 3 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 5350 Reading and Language Arts: Research and Trends, 3 units  
EDUC 5400 Teachers as Change Agents: Researchers and Writers, 3 units  
EDRG 5910 Practicum in Reading and Language Arts, 3 units  
An appropriate three-unit elective course selected in consultation with adviser

*Note: Other appropriate courses may be substituted after consultation with the major adviser.*

These units are required for the Reading/Language Arts Specialist Credential. Students in Reading Recovery training may substitute EDRG 5100 Reading Recovery Teaching (3-6 units) for EDRG 5250 and/or EDRG 5910 or transfer up to eight Reading Recovery units. Students in Reading Recovery Training may transfer up to eight Reading Recovery units that will substitute for EDRG 5250, EDRG 5910, and two of the elective units. The Reading Specialist Credential Program and MA in Reading are also offered in Stockton and in Calaveras County.

### 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 the Admissions Office in the Library Building (L-110).
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 Studies Office in the Library Building (L-151). Prerequisites, procedures, and requirements for the M.A. degree are described below. Also included is general information relevant to graduate studies. Courses are scheduled in the late afternoon and evening. Contact the MA Coordinator for details at (209) 667-3357.

## Master of Arts in Curriculum and Instruction

M.A. Area	Professor (Advisers)	Phone	E-Mail
Elementary Education	A. Schulz	(209) 667-3368	aschulz@toto.csustan.edu
Multilingual Education	J. Wink and F. Shin	(209) 667-3471 (209) 467-5336	jwink@toto.csustan.edu fshin@toto.csustan.edu
Reading	J. Towell	(209) 667-3292	jtowell@toto.csustan.edu
Secondary Education	M. Bradley	(209) 667-3472	mimib@toto.csustan.edu

### Prerequisites for Admission

1. A baccalaureate degree.
2. 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 Admissions Office in the Library Building (L-110).
2. Submit transcripts to the Admissions Office, 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 Studies Office in the Library Building (L-151).
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 SSB-130 (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 letters of recommendation as required by the program.
  - 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 nine 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 6 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

1. Foundation: Complete one of the following courses depending on the specific M.A. area of emphasis (3 units.):
  - EDGS 5010 Education in Society, 3 units, or
  - EDGS 5040 Philosophy of Education, 3 units
2. Common Studies: Complete the following courses (7 units):
  - EDGS 5050 Methods of Research in Education, 4 units
  - EDGS 5060 Theories of Instruction, 3 units
3. Project/Thesis: Complete the following:
  - EDUC 5770 Seminar in Elementary and Secondary Education, 2 units
  - EDUC 5960 Project, 4-6 units, or
  - EDUC 5990 Thesis, 4-6 units,

## Curriculum and Instruction: Elementary and Secondary

### Concentration Requirements (33 units minimum)

*Note: Also refer to Common Course Work requirements (see above).*

1. Select and complete the following required courses:
  - a. **Curriculum and Instruction Emphasis (3 units)**  
EDUC 4840 Analysis and Strategies of Teaching, 3 units
  - b. **Concentration Emphasis: Skills (3 units)**  
EDML 5001 Multilingual Education Evaluation, 3 units  
EDUC 5200 Classroom Management and Discipline: Theory and Models, 3 units  
EDUC 5880 Improving Instructional Skills in a Cultural Context, 3 units  
EDUC 5885 Instructional Programs to Enhance Thinking Skills, 3 units
  - c. **Concentration Emphasis: Reading (2-3 units)**  
EDML 5000 Multilingual Education in the Content Area, 3 units  
EDRG 4100 Improving Reading: K-12, 2 units  
EDRG 4150 Reading: Literature-based Instruction for Children, 3 units  
EDRG 4240 Reading Instruction: Primary Grades, 2 units  
EDRG 4250 Reading Instruction: Intermediate Grade, 2 units
  - d. **Concentration Emphasis: Research and Trends (3 units)**  
EDML 5200 Advanced Theory of Teaching the Culturally Diverse Student, 3 units  
EDRG 5350 Research and Trends in Reading and Language Arts, 3 units  
EDUC 5330 Research and Trends in Mathematics, Science, and Social Studies, 3 units  
EDUC 5340 Research and Trends in Curriculum, 3 units  
EDUC 5400 Teachers as Change Agents: Researchers and Writers, 3 units  
EDUC 5860 Multicultural and Global Education, 3 units
  - e. **Electives (6 units)**  
4000 or 5000 level Education course(s) selected in consultation with an adviser.

## Curriculum and Instruction: Multilingual Education

The Department of Teacher Education offers a Master of Arts degree in Education with an emphasis in Multilingual Education. The CLAD certificate 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.

### Concentration Requirements (32 units minimum)

*Note: Also refer to Common Course Work requirements on the previous page.*

1. Complete the concentration:
  - a. **Theoretical Foundations (6 units)**  
EDML 5400 Theory of Multilingual Education, 3 units  
EDML 5200 Advanced Theory in Teaching the Culturally Diverse Students, 3 units, **or**  
EDUC 5860 Multicultural and Global Education: Curriculum and Instruction, 3 units
  - b. **Methods (9 units)**  
EDML 5000 Multilingual Education in the Content Area, 3 units  
EDML 5001 Multilingual Education Evaluation, 3 units  
EDML 5420 Language Arts for the Culturally and Linguistically Diverse Classroom, 3 units, **or**  
ENGL 5800 Advanced TESOL Theory and Methodology, 3 units
  - c. **Electives (3 units)**  
EDUC 5400 Teachers as Change Agents: Researchers and Writers, 3 units  
EDRG 5350 Research and Trends in Reading/ Language Arts, 3 units  
EDML 5940 Multilingual Education Field Experience/ Practicum, 3 units

*Note: Other appropriate courses may be selected in consultation with major adviser.*

*Note: Prerequisite - one year/six units of college-level foreign language or equivalent.*

## Curriculum and Instruction: Reading

### Concentration Requirements (18 units)

1. Select and complete the following required courses:
  - a. **Theoretical Foundations (3 units)**  
EDRG 4100 Reading/Language Arts Instruction: K-12, 3 units, **or**  
EDRG 4150 Reading: Literature-based Instruction for Children, 3 units
  - b. **Research and Trends (6 units)**  
EDML 5200 Advanced Theories in Teaching Culturally Diverse Students, 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
  - c. **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

*Note: Other appropriate courses may be substituted after consultation with the major adviser. (See page 336 in the 1997-99 University Catalog.)*

## 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 must also 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.

## Course Descriptions

### Bilingual Crosscultural, Language, and Academic Development (BCLAD - Southeast Asian Languages Emphasis-Cambodian, Hmong, Lao): Upper Division

#### ***EDAB 4110 Reading/Language Arts: A Holistic Perspective, Bilingual (5 units).***

(Formerly EDBL 3110) Introduction to the skills, concepts, and applications required for bilingual multiple subject teaching in reading and language arts. Planning, demonstration, and materials based upon modern trends and techniques. Prerequisite: Admission to the Multiple Subject Credential Program BCLAD.

#### ***EDAB 4120 Elementary Curriculum and Instruction: Mathematics, Bilingual (3 units).***

(Formerly EDBL 3120) Introduction to the skills, concepts, and applications required for bilingual multiple subject teaching in mathematics. Planning, demonstration, and materials based upon modern trends and techniques. Prerequisite: Admission to the Multiple Subject Credential Program BCLAD.

#### ***EDAB 4130 Elementary Curriculum and Instruction: Science, Bilingual (3units).***

(Formerly EDBL 3130) Introduction to the skills, concepts, and applications required for bilingual multiple subject teaching in science. Planning, demonstration, and materials based upon modern trends and techniques. Prerequisite: Admission to the Multiple Subject Credential Program BCLAD.

#### ***EDAB 4140 Elementary Curriculum and Instruction: Social Studies, Bilingual (3 units).***

(Formerly EDBL 3140) Introduction to the skills, concepts, and applications required for bilingual multiple subject teaching in social studies. Planning, demonstration, and materials based upon modern trends and techniques. Prerequisite: Admission to the Multiple Subject Credential Program BCLAD.

#### ***EDAB 4815 Multiple Subject BCLAD Student Teaching I (5 units).***

(Formerly EDMS 3815) Supervised observation, participation, and student teaching in a public multiple subject bilingual classroom setting. Prerequisite: Admission to Multiple Subject Credential Program and subject-matter competency verified.

#### ***EDAB 4816 Multiple Subject BCLAD Student Teaching II (5 units).***

(Formerly EDBL 4810) Supervised observation, participation, and student teaching in a public multiple subject bilingual classroom setting. Prerequisite: Admission to Multiple Subject Credential Program and subject-matter competency verified.

#### ***EDAB 4817 Multiple Subject BCLAD Student Teaching III (5 units).***

Supervised observation, participation, and student teaching in public school settings. Prerequisite: Previous enrollment in EDAB 4815 and EDAB 4816 and consent of Multiple Subject Credential Coordinator.

#### ***EDAB 4898 Student Teaching Seminar (2 units).***

(Formerly EDBL 3899) This seminar is taken concurrently with student teaching, but is graded separately. Topics covered include classroom management and practical aspects of working in schools. Prerequisite: Admission to teaching courses.

## Crosscultural, Language, and Academic Development (CLAD) Upper Division

#### ***EDMC 4110 Reading/Language Arts: A Holistic Perspective (5 units).***

(Formerly EDMS 3010) Introduction to the principles and practices for reading/language arts instruction in grades K-8, with an emphasis on the four communication skills; a holistic approach to literature-based instruction which meets the needs of diverse populations. Prerequisite: Admission to the Multiple Subject Credential Program.

#### ***EDMC 4120 Elementary Curriculum and Instruction: Mathematics (3 units).***

(Formerly EDMS 3120) Introduction to the materials and methods used in the teaching of mathematics in grades K-8. Emphasis is on instructional planning, concept development and the use of manipulatives for instruction as outlined in the California Mathematics Framework. Prerequisite: Admission to the Multiple Subject Credential Program.

#### ***EDMC 4130 Elementary Curriculum and Instruction: Science (3 units).***

(Formerly EDMS 3130) This course provides an introduction to teaching methodology as it relates to science in grades K-8. Course topics include teaching strategies, lesson design, instructional planning, and the selection of science materials and resources. Prerequisite: Admission to the Multiple Subject Credential Program.

#### ***EDMC 4140 Elementary Curriculum and Instruction: Social Studies (3units).***

(Formerly EDMS 3140) Introduction to the purpose and content of the social studies in grades K-8, including the teaching of concepts, skills, values, and attitudes which promote citizenship in democracies in our global community. The focus will be on instructional planning derived from current issues, understandings, and approaches with emphasis on the learning needs of linguistically and culturally diverse students. Prerequisite: Admission to the Multiple Subject Credential Program.

#### ***EDMC 4815 Multiple Subject CLAD Student Teaching I (5 units).***

(Formerly EDMS 3815) Supervised observation, participation, and student teaching in public school settings. Prerequisite: Admission to the Multiple Subject Credential Program and subject-matter competency verified.

#### ***EDMC 4816 Multiple Subject CLAD Student Teaching II (5 units).***

(Formerly EDMS 4815) Supervised observation, participation, and student teaching in public elementary school settings. Prerequisite: Admission to the Multiple Subject Credential Program and subject-matter competency verified.

#### ***EDMC 4817 Multiple Subject CLAD Student Teaching III (5 units).***

Supervised observation, participation, and student teaching in public school settings. Prerequisite: previous enrollment in EDMC 4815 and EDMC 4816 and consent of Multiple Subject Credential Coordinator.

#### ***EDMC 4898 Student Teaching Seminar I (2 units).***

(Formerly EDMS 3899) This seminar is taken concurrently with student teaching, but is graded separately. Topics covered include classroom management and practical aspects of work in schools. Prerequisite: Admission to student teaching courses.

## **Multilingual Education: Graduate**

### **EDML 5000 Multilingual Education in the Content Area (3 units).**

This course will focus 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 (3units).**

This course is 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).**

The course focuses on advanced theories of learning and teaching styles of the culturally diverse students. Identification of suggested teaching proficiencies for the multicultural classroom. This course will emphasize curriculum development for culturally diverse students.

### **EDML 5400 Theory of Multilingual Education (3 units).**

This course will focus 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).**

This course 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 (3units).**

This course will provide 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.

## **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).**

This course 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.

## **Reading: Graduate**

### **EDRG 5100 Recovery Teaching (3 units).**

The purpose of the course is to prepare 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).**

This course 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.



### ***Bilingual Crosscultural, Language, and Academic Development (BCLAD - Spanish Emphasis): Upper Division***

#### ***EDSB 4110 Reading/Language Arts: A Holistic Perspective, Bilingual (5 units).***

(Formerly EDBL 3110) Introduction to the skills, concepts, and applications required for bilingual multiple subject teaching in reading and language arts. Planning, demonstration, and materials based upon modern trends and techniques. Prerequisite: Admission to the Multiple Subject Credential Program BCLAD.

#### ***EDSB 4115 Reading and Writing Instruction in the Secondary Content Area (BCLAD) (5 units).***

This course is designed to teach theories and practices of effective bilingual literacy in instruction in the secondary content area. Prerequisite: Admission to the SSCP BCLAD credential program or consent of instructor.

#### ***EDSB 4120 Elementary Curriculum and Instruction: Mathematics, Bilingual (3 units).***

(Formerly EDBL 3120) Introduction to the skills, concepts, and applications required for bilingual multiple subject teaching in mathematics. Planning, demonstration, and materials based upon modern trends and techniques. Prerequisite: Admission to the Multiple Subject Credential Program BCLAD.

#### ***EDSB 4130 Elementary Curriculum and Instruction: Science, Bilingual (3 units).***

(Formerly EDBL 3130) Introduction to the skills, concepts, and applications required for bilingual multiple subject teaching in science. Planning, demonstration, and materials based upon modern trends and techniques. Prerequisite: Admission to the Multiple Subject Credential Program BCLAD.

#### ***EDSB 4140 Elementary Curriculum and Instruction: Social Studies, Bilingual (3 units).***

(Formerly EDBL 3140) Introduction to the skills, concepts, and applications required for bilingual multiple subject teaching in social studies. Planning, demonstration, and materials based upon modern trends and techniques. Prerequisite: Admission to the Multiple Subject Credential Program BCLAD.

#### ***EDSB 4815 Multiple Subject BCLAD Student Teaching I (5 units).***

(Formerly EDMS 3815) Supervised observation, participation, and student teaching in a public multiple subject bilingual classroom setting. Prerequisite: Admission to the Multiple Subject Credential Program and subject-matter competency verified.

#### ***EDSB 4816 Multiple Subject BCLAD Student Teaching II (5 units).***

(Formerly EDBL 4810) Supervised observation, participation, and student teaching in a public multiple subject bilingual classroom setting. Prerequisite: Admission to the Multiple Subject Credential Program and subject-matter competency verified.

#### ***EDSB 4817 Multiple Subject BCLAD Student Teaching III (5 units).***

Supervised observation, participation, and student teaching in public school settings. Prerequisite: previous enrollment in EDSB 4815 and EDSB 4816 and consent of Multiple Subject Credential Program Coordinator.

#### ***EDSB 4898 Student Teaching Seminar (2 units).***

(Formerly EDBL 3899) This seminar is taken concurrently with student teaching, but is graded separately. Topics covered include classroom management and practical aspects of working in schools. Prerequisite: Admission to student teaching courses.

### ***Single Subject Cross Cultural, Language, and Academic Development (B/CLAD): Upper Division***

#### ***EDSC 4100 Secondary Education I (4 units).***

This course integrates theory and practice on strategies for effective individual instruction. Includes sociocultural and psychological foundations and research on effective teaching. Prerequisite: Admission to the SSCP B/CLAD Program.

#### ***EDSC 4115 Reading and Writing Instruction in the Secondary Content Area (CLAD) (5 units).***

This course is designed to teach effective literacy instructional strategies in the content areas in multilingual secondary classrooms. Prerequisite: Admission to the SSCP CLAD Program or consent of instructor.

#### ***EDSC 4300 Secondary Education II (4 units).***

This course prepares students for classroom instruction responsibilities. Focus will be on effective teaching methodology for diverse learners. Includes field experience. Prerequisites: EDSC 4100, 4850, and 4115 or EDSB 4115.

#### ***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. Prerequisite: EDSC 4300.

#### ***EDSC 4500 Secondary Education in a Global Society (3 units).***

This course 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.

#### ***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. Prerequisite: Admission to the SSCP B/CLAD Program.

#### ***EDSC 4855 Secondary Field Practicum II (3 units).***

Students teach secondary school classes and serve as a teacher assistant in a class from the beginning to the end of a public school semester. Prerequisite: EDSC 4850.

### **Single Subject Non-Emphasis: Upper Division**

#### **EDSS 4150 Effective Teaching in the Secondary School I (2 units).**

Students begin the study of a variety of processes of instruction which focus on the individual learner in the secondary school. Opportunities are provided for students to begin developing various teaching skills by teaching small groups of peers as well as on a limited basis in the classroom. Participation in the field and regular class attendance are required. Prerequisite: Admission to the Single Subject Credential Program.

#### **EDSS 4160 Effective Teaching in the Secondary School II (4 units).**

Continuation of EDSS 4150. Within this part of the program, there is a transition from a focus on the individual learner and small groups to a focus on large groups of students in the classroom setting. Participation in the field and regular attendance of university classes is required for completion. Prerequisites: Successful completion of EDSS 4150 and 4180.

#### **EDSS 4170 Effective Teaching in the Secondary School III (2 units).**

Continuation of EDSS 4160. While engaged in an accompanying practicum (4855), the student will focus on effective teaching methodology as it relates to the classroom setting. Attention will be given to learning how to assess students' needs, how to involve them more actively in their learning, and how to improve chances that they learn the required materials in the classroom. Prerequisites: Successful completion of EDSS 4150, 4180, and 4850.

#### **EDSS 4180 Single Subject Instruction I (2 units).**

Introduction to teaching in single subject instructional settings in the secondary school; study of theory and methodology in the student's single subject area; study of the scope and sequence of the single subject area as part of the total school curriculum; analysis of current trends and practices in teaching the single subject; review of courses of study and instructional materials; use of instructional techniques; analysis of practices appropriate to different types of secondary school students; evaluation of student learning in single subject areas. Corequisite: EDSS 4150. Prerequisite: Admission to the Single Subject Credential Program.

#### **EDSS 4190 Single Subject Instruction II (2 units).**

Continuation of EDSS 4180, teaching in single subject instructional settings in the secondary school; increased attention given to teaching single subjects to large groups of secondary students. Whenever possible, this segment of the program will include specialists from appropriate academic areas of the university and/or school district. Corequisite: EDSS 4170. Prerequisites: Successful completion of EDSS 4150, 4180, and 4850, based on an overall evaluation by the appropriate university personnel.

#### **EDSS 4850 Field Practicum: Secondary Education I (6 units).**

First segment of intensive sequence of experiences which focus on individual, therapeutic, and small group instruction of secondary students in junior and/or senior high school. Participation in the field and adherence to the public school calendar required for completion. Corequisites: EDSS 4150 and 4180. Prerequisite: Admission to the Single Subject Credential Program.

#### **EDSS 4855 Field Practicum: Secondary Education II (6 units).**

A continuation of EDSS 4850. The second segment of an intensive fieldsite sequence of experiences which focus on working with large groups of secondary students in classroom settings in junior and/or senior high school. Daily participation in the field and adherence to the public school calendar required for completion. Corequisites: EDSS 4170 and 4190. Prerequisites: Successful completion of EDSS 4150, 4180, and 4850, based on an overall evaluation by the appropriate university personnel.

#### **EDSS 4860 Supervised Student Teaching in Public Secondary School Settings (2-12 units).**

Prerequisite: Consent of single subject credential program coordinator. May be repeated only once.

### **Education: Upper Division**

#### **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 (3units).**

This course is an 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).**

This course gives 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 (3units).**

(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 (3units).**

(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).**

Prepare 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 (3units).**

This course 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) The course will focus 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 (3units).**

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. This course meets the prerequisite for entering the MSCP University Intern Program.

**EDUC 4550 Techniques for Supervising Student Teachers (1 unit).**

A course 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 (3units).**

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).**

This course will prepare 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 (3units).**

(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 4870 Complex Instruction: Groupwork in Heterogeneous Classrooms (3 units).**

This course will introduce 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).**

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 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).**

This course is 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 (3units).**

This course is 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 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).**

This course is 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) This course 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).**

This course is 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) (1-5units).**

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).**

This course is 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.

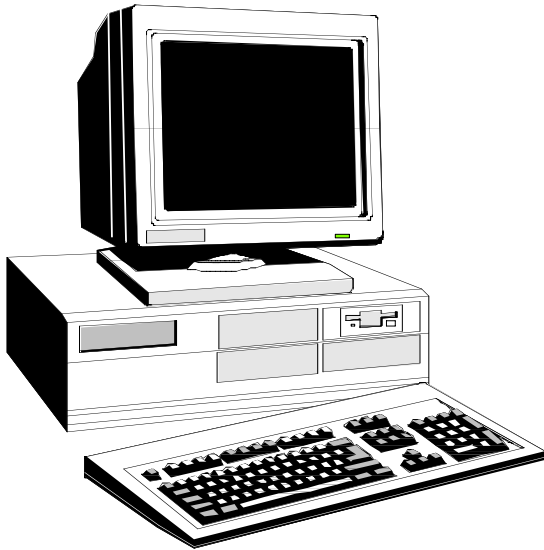
**EDUC 5980 Individual Study (1-4 units).**

This course is 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).**

This course is 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.

# Vocational Education



This degree program is made possible through legislation enacted in 1943 (known as the Swan Act). The intent is to provide a baccalaureate degree for vocational teachers who can gain subject matter competence only through occupational or professional experience. The occupational experience credit (1 to 40 units) is evaluated by the Board of Examiners for Vocational Teachers and counts towards the Vocational Education major and these are called the student's "Swan Act" units. The degree can be awarded only to students who possess the Designated Subjects Credential in Vocational Education or a California Community College teaching credential in an approved subject matter area. The Bachelor of Vocational Education is accepted as an academic degree program for the Multiple Subject Credential (for elementary schools) and the Single Subject Credential (for secondary schools).

The applicant must have a minimum of 1,620 hours of full-time teaching experience in an approved vocational class, or 1,000 hours of part-time teaching experience in an approved trade extension class. "Approved" classes are those in conformity with the California State Plan for Vocational Education, Part I, Administrative Provisions.

Office: Demergasso-Bava Hall 301  
(209) 667-3534

Adviser: Irma Guzman Wagner

## Bachelor of Vocational Education

The degree Bachelor of Vocational Education with a major in Vocational Education consists of the segments described below.

### Requirements (124 units minimum)

The 124 units must include at least 40 upper-division and 30 units in residence of which 24 semester units must be upper-division. A minimum overall 2.00 grade point average is required.

1. *Vocational Program* (33–40 units)
  - a. Major in Vocational Education (24 units)<sup>1</sup>
  - b. Designated Subjects Credential (9–16 units)<sup>2</sup>
2. *Liberal Arts Program*
  - a. General Education (51 units, at least 9 of which must be in residence)
  - b. Upper-division Writing Competency
  - c. Degree Minor (15 unit minimum)<sup>3</sup>
  - d. Electives<sup>4</sup>
3. *University*
  - a. Upper-division (40)
  - b. Residence (30)

*Note: When an applicant applies to CSU Stanislaus, the following data should be included, if available:*

- Verification of "Swan Act" units, including date of evaluation
- Verification of Designated Subjects Teaching credential in Vocational Education or Community College Credential<sup>5</sup>

<sup>1</sup> The degree program requires a minimum of 24 upper-division units in the major. All or a major portion of this credit will be awarded for work experience by the Board of Examiners for Vocational Teachers upon application by the student to the Bureau of Industrial Education, California State Department of Education ("Swan Act" evaluation). If the student fails to obtain 24 units of credit through the "Swan" evaluation, the remaining units in the Vocational Education major are to be taken in regular California State University, Stanislaus upper-division courses or appropriate extension courses related to the student's interests, selected with the approval of the vocational education adviser.

<sup>2</sup> A student must have obtained the clear Designated Subjects Teaching Credential in Vocational Education or a California Community College teaching credential in an approved subject matter area before graduating from the BVE degree program. Vocational teacher training completed by the applicant may be used toward electives.

<sup>3</sup> Degree Minor: Students must select a minor from those listed in the University catalog. Courses to meet the requirements for a minor must be arranged with a minor adviser (usually the department chair) in the department offering the minor.

<sup>4</sup> Included as electives are courses transferred by another college which are not used elsewhere in the degree program. Additional courses required to meet the minimum requirement for graduation (124 units) must be chosen in consultation with the vocational education adviser from among courses and programs throughout the University.

<sup>5</sup> Community College Credentials are no longer offered, however, they are still honored.

# 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), Associate Professor of Politics/Public Administration; B.A. 1981, M.A. 1983, American University of Beirut; Ph.D. 1988, Georgetown University, Washington, D. C.
- 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
- ALMY, John (1971), Professor of Organic/General Chemistry; B.A. 1964, Johns Hopkins University; Ph.D. 1969, University of California, Los Angeles
- ALY, Nael A. (1984), Professor of Operations Management; B.Sc. 1974, M.Sc. 1978, Alexandria University, Egypt; M.S. 1981, Ph.D. 1985, University of Oklahoma
- ANDERSON, Robert K. (1971), Professor of Language & Literature: Spanish; B.A. 1966, Brigham Young University; Ph.D. 1973, Saint Louis University
- ANDERSON, Roberta T. (1987), Professor of Speech Communication; B.S. 1955, University of Wisconsin, Milwaukee; M. Ed. 1965, Ph.D. 1972, University of Illinois, Urbana
- APODACA, Maria L. (1995), Assistant Professor of Chicano Studies; B.A. 1973, California State University, Los Angeles; M.A. 1983; Ph.D. 1994, University of California, Irvine
- ARONSON, Melissa M. (1976), Associate 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
- AUBERT, Edward J. (1961), Sr. Director of Admissions and Records; B.S. 1956, University of San Francisco; M.B.A. 1961, University of California, Berkeley
- BARNETT, John A. (1984), Professor of Art; B.A. 1966, Western Washington State College; M.F.A. 1971, University of Washington
- BETTENCOURT, Leland R. (1992), Counselor; B.A. 1982, M.S.W. 1984, California State University, Fresno
- BETTS, Brenda E. (1995), Assistant 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
- BLODGETT, Harriet H. (1989), Professor of English (British Literature); A.B. 1954, Queens College, New York; M.A. 1956, University of Chicago; Ph.D. 1968, University of California, Davis
- BOFFMAN, June L. (1977), 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), Assistant Professor of Teacher Education; B.A. 1992, Augsburg College; M.A. 1996, Ph.D. 1998, Arizona State University
- BORBA, John A. (1995), Associate Professor of School Administration; B.A. 1972, M.A. 1978, California State University, Stanislaus; Ed.D. 1993, University of the Pacific
- 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), Associate Vice President for Academic and Human Resources; 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
- BOYER, Laura M. (1987), Librarian (Reference Coordinator); A.B. 1956, George Washington University; A.M. 1959, University of Denver; A.M. 1961, George Peabody College
- BRADLEY, Marylee (1993), Associate 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
- BROCKMAN, Sharon E. (1994), Associate Professor of Teacher Education; B.A. 1982, Chapman University; M.A. 1985, California State University, San Bernardino; Ph.D. 1994, University of California, Riverside
- BROIN, Valerie E. (1990), Associate 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
- BUELL, Arthur W. (1995), Sr. Assistant 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
- BYRD, James E. (1974), Professor of Analytical/General Chemistry; B.S. 1966, Roosevelt University, Chicago; Ph.D. 1971, University of Chicago
- CAMARATA, Martin L. (1964), Professor of Art; B.S. 1956, State University of New York at Buffalo; M.A. 1957, New York University
- 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
- CARROLL, Bret E. (1998), Assistant 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
- CHERUKURI, U. Rao (1970), Interim Dean, School of Business Administration; 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), Associate Professor of Sociology and 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
- CHRISTOPHER, Renny T. (1995) Associate Professor of English; B.A. 1982, Mills College; M.A. 1986, San Jose State University; Ph.D. 1992, University of California, Santa Cruz
- CHU, Mayling M. (1996), Assistant 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
- CLARKE, Judith L. (1983), Professor of Mathematics; B.A. 1973, M.A. 1976, California State University, Sacramento; Ph.D. 1980, University of California, Davis
- COLLARD, Laura L. (1981), Associate Director of Academic Advising; B.A. 1980, M.A. 1982, California State University, Stanislaus
- CORTEZ, Victoria L. (1991), Associate Professor of Psychology; B.A. 1984, University of the Pacific; Ph.D. 1992, University of California, Santa Barbara
- COSTA, Elmano M. (1995), Assistant Professor of Teacher Education; B.A. 1978, M.A. 1985, California State University, Stanislaus; Ed.D. 1994, University of the Pacific
- CRAWFORD, Paula J. (1973), Librarian (Online Searching/Reference); B.A. 1972, University of the Pacific; M.S.L.S. 1973, University of Southern California
- CRIST, William D. (1969), Professor of Economics; B.S. 1960, M.A. 1962, Ph.D. 1972, University of Nebraska
- CRUZ, Julia G. (1990), Professor of Spanish; B.A. 1962, M.A. 1977, Ph.D. 1982, The University of Texas at Austin
- CUEVAS, Jess L. (1976), Coordinator of Student Affirmative Action and Outreach; B.A. 1974, M.A. 1985, California State University, Stanislaus
- CULLINAN, Mary (1996), Dean, College of Arts, Letters and Sciences; Professor of English; B.A. 1972, University of Pennsylvania; M.A. 1973, Ph.D. 1978, University of Wisconsin, Madison
- CUNNINGHAM, Robert S. (1982), Professor of Computer Science; B.A. 1964, Drury College; M.A. 1966, Ph.D. 1969, University of Oregon; M.S. 1982, Oregon State University
- CURRY, Richard A. (1995), Provost/Vice President for Academic Affairs; Professor of Spanish; B.A. 1964, M.A. 1967, Ph.D. 1971, University of Washington
- 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
- DEMETRULIAS, Diana Mayer (1983), Associate Vice President for Academic Affairs and Dean of Graduate Studies and Research; 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
- DIEKMAN, Jane E. (1971), Professor of Education (Joint Appointment in Advanced Studies in Education and Teacher Education); B.S. 1958, University of North Dakota; M.A. 1978, California State University, Stanislaus
- 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
- DUNBAR, Ellen R. (1994), Director of the Masters of Social Work; Professor of Social Work; B.S. 1954, University of Wisconsin, Stout; MSW 1960, University of Southern California; Ph.D. 1975, University of Southern California
- 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
- DUYST, Kimberley J. (1986), Head Coach (Track) Academic Year; B.S. 1979, M.S. 1980, University of Wyoming
- EDMONDSON, Frederick S. (1977), Sr. Director of Student Life/Health Center; B.A. 1971, California State University, Sacramento; M.A. 1973, California Polytechnic State University, San Luis Obispo; Ph.D. 1995, University of the Pacific
- ENTIN, Kenneth (1971), Professor of Political Science; B.A. 1966, City College of New York; M.A. 1967, Ph.D. 1971, New York University
- ERICKSON, Edward C. (1970), Professor of Economics; B.A. 1965, M.A. 1966, University of California, Riverside; Ph.D. 1970, University of Southern California
- EVANS, Kathryn (1997), Assistant Professor of English; B.A. 1988, University of Chicago; M.A. 1993, Ph.D. 1997, University of Illinois at Urbana-Champaign
- 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
- FILLING, Steven M. (1994), Assistant 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
- FINLEY, T. Peter (1970), Lecturer and Department Chair in Liberal Studies; Director of Academic Advising; B.A. History, 1958, B.A. English, 1964, Ph.D. 1972, University of Washington
- FISK, Robert S. (1995), Professor of Mathematics; 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), Associate Professor of Social Work; B.A. 1970, California State University, Chico; MSW 1975, California State University, Fresno; Ph.D. 1992, University of South Carolina
- FLOYD, Renae (1994), Counselor; B.A. 1976, Bethel College; M.A. 1979, Wichita State
- 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), Assistant 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), Associate Professor in Teacher Education; B.S. 1974, M.S.Ed. 1982, University of Wisconsin, Superior
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- GIARAMITA, Mario J. (1993), Associate 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 Superieure de Commerce d'Abidjan (Ivory Coast); M.S.B. 1982, Ph.D. 1989, University of Wisconsin, Madison
- 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
- GRANT, Diana R. (1996), Assistant Professor of Criminal Justice; B.A. 1984, University of California, Santa Cruz; M.A. 1989, Ph.D. 1996, University of California, Irvine
- HACKWELL, Glenn A. (1961), Professor of Zoology; B.S. 1957, M.S. 1958, Brigham Young University; Ph.D. 1967, Oregon State University; Registered Professional Entomologist, 1972, Entomological Society of America
- HAMILTON, Hobart G., Jr. (1968), Professor of Inorganic/General Chemistry; B.S. 1961, University of Texas, El Paso; M.S. 1963, Ph.D. 1967, New Mexico State University
- HARRIS, Edward C. (1983), Professor of Music; B.M. 1970, M.A. 1973, San Francisco State University; Dr. of Arts 1985, University of Northern Colorado
- HARRIS, Randall D. (1996), Assistant Professor of Management; B.A. 1986, M.B.A. 1989, University of Texas at Austin; Ph.D. 1995, University of Florida
- HARRIS, Robert R. (1991) Coach, Academic Year (Athletic Trainer); B.S. 1986, California State University, San Luis Obispo; M.S. 1990, University of Arizona, Tucson
- 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
- 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), Assistant Professor of Management, DMD; B.A. 1988, California State University, Long Beach; Ph.D. 1997, University of California, Irvine
- HERNANDEZ, Leodoro (1980), Professor of Education (Joint Appointment in Advanced Studies in Education and Teacher Education); B.A. 1966, University of Omaha; M.A. 1968, Chapman College; Ed.D. 1976, University of Northern Colorado
- HESSE, Bruce E. (1984), Professor of Psychology; B.A. 1971, Western Illinois University; M.A. 1977, Ph.D. 1984, Western Michigan University
- HILLERY, Joan R. (1969), Director of Financial Aid/Scholarships
- 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
- HOR, Annie Yun-Mun (1996), Sr. Assistant 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
- HOWARD, Jane S. (1978), Professor of Psychology; B.A. 1973, Mount Holyoke College; M.A. 1977, Ph.D. 1973, Western Michigan University
- HUGHES, Marvalene (1994), President; Professor of Psychology; B.A. 1960; M.S. 1962, Tuskegee University; Ph.D. 1970, Florida State 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), Associate 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
- JAMES, Ralph L. (1970), Professor of Mathematics; B.S. 1963, University of Washington; M.S. 1965, Ph.D. 1970, Oregon State University
- JANES, Helena A. (1995), Assistant Professor of Teacher Education; B.A. 1966, Oxford University; Ph.D. 1995, University of California, Santa Barbara
- JASEK-RYSDAHL, Kelvin D. (1996), Assistant Professor of Economics; B.A. 1988, Augustana College; M.A. 1993, Ph.D. 1996, Colorado State University
- JENKINS, David O. (1970), Professor of Accounting; 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



- JOHNSON, Lola V. (1960), Professor of Language and Literature: English; B.A. 1956, M.A. 1959, University of the Pacific
- JOHNSON, Lynn A. (1995), Assistant 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, John L. (1988), Head Coach, Basketball; B.A. 1965, M.A. 1966, Humboldt State University
- KANE, Constance M. (1994), Associate Professor of Education; B.A. 1973, University of Northern Iowa; M.A. 1982, Ph.D. 1992, St. Mary's University.
- KARLSTROM, Eric T. (1989), Associate 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
- KEYMER, David K. (1992), Vice President for Student Affairs/Dean of Students; Adjunct Professor of History; B.A. 1958, Hiram College; M.A. 1967, New York University; Ph.D. 1977, Yale University
- KHADE, Al S. (1989), Professor of Production Operations 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
- KIMLICKA, Thomas M. (1978), Professor of Psychology; A.B. 1973, University of California, Berkeley; M.S. 1976, Ph.D. 1978, Washington State University
- KIMYAI, Abbas (1984), Professor of Geology; B.A. 1956, Teachers College, Tehran, Iran; B.S. 1956, Tehran University; Ph.D. 1964, New York University
- KLEIN, James M. (1984), Associate Dean, ALS; 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), Assistant Professor of Biological Sciences; B.S. 1978, Texas A & M; M.S. 1985, Texas A & T; Ph.D. 1993, University of Colorado at Boulder
- KRABACH, Ann L. (1977), Director of the Writing Center; Lecturer in Language & Literature: English; B.A. 1975, M.A. 1977, California State University, Stanislaus
- LAMIE, Edward L. (1982), Professor of Computer Science; A.B. 1969, San Diego State University; M.S. 1971, University of Southern California; Ph.D. 1974, Michigan State University
- LEVECK, Paula J. (1981), Professor of Nursing; 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; A.B. 1961, M.A. 1968, California State University, Long Beach
- LI, Peter Ping (1995), Associate 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
- 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
- LINDSLEY, Sheryl L. (1995), Assistant Professor of Communication Studies; B.A. 1988, California State University, Hayward; M.A. 1992, California State University, San Francisco; Ph.D. 1995, Arizona State University
- LITTLEWOOD, Ian M. (1993), Associate 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
- LUEVANO, Richard L. (1971), Professor of Chicano Studies; B.A. 1970, California State University, Stanislaus; M.A. 1971, San Jose State University
- LUO, Ping (1995), Assistant Professor of Physical Education and Health; B.A. 1983, Chongqing University; M.S. 1991, SUNY at Brockport College; M.S. 1993, 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
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- STENZEL, David B. (1961), Professor of History, Emeritus; Diploma 1950, University of Vienna; B.S. 1951, Georgetown University; M.A. 1954, Ph.D. 1957, University of California, Berkeley
- SWAIN, Lorna M. (1961), Professor of Education, Emeritus; A.B. 1937, University of California, Berkeley; M.A. 1954, Humboldt State University; Ed.D. 1960, Stanford University
- THOMPSON, Evan M. (1965), Professor of Organic/General Chemistry, Emeritus; B.A. 1960, Ph.D. 1964, Brigham Young University
- TRIPPI, Frank J. (1971), Professor of Sociology; 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
- WEBSTER, William G. (1976), Professor of Education (Joint Appointment in Advanced Studies in Education and Teacher Education); 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; B.A. 1958, California State University, Long Beach; M.A. 1963, Ph.D. 1969, University of California, Los Angeles

## Appendix A

Eligibility Index Table for California High School Graduates  
or Residents of California

Eligibility Index  
for SAT I Tests taken prior to April 1995

See next page for revised SAT I Eligibility Index.

<i>GPA</i>	<i>ACT score</i>	<i>SAT I score</i>	<i>GPA</i>	<i>ACT score</i>	<i>SAT I score</i>	<i>GPA</i>	<i>ACT score</i>	<i>SAT I score</i>
Above 3.00 qualifies with any score								
2.99	10	410	2.65	17	680	2.31	24	960
2.98	10	420	2.64	17	690	2.30	24	960
2.97	10	430	2.63	17	700	2.29	24	970
2.96	11	440	2.62	17	710	2.28	24	980
2.95	11	440	2.61	18	720	2.27	24	990
2.94	11	450	2.60	18	720	2.26	25	1000
2.93	11	460	2.59	18	730	2.25	25	1000
2.92	11	470	2.58	18	740	2.24	25	1010
2.91	12	480	2.57	18	750	2.23	25	1020
2.90	12	480	2.56	19	760	2.22	25	1030
2.89	12	490	2.55	19	760	2.21	26	1040
2.88	12	500	2.54	19	770	2.20	26	1040
2.87	12	510	2.53	19	780	2.19	26	1050
2.86	13	520	2.52	19	790	2.18	26	1060
2.85	13	520	2.51	20	800	2.17	26	1070
2.84	13	530	2.50	20	800	2.16	27	1080
2.83	13	540	2.49	20	810	2.15	27	1080
2.82	13	550	2.48	20	820	2.14	27	1090
2.81	14	560	2.47	20	830	2.13	27	1100
2.80	14	560	2.46	21	840	2.12	27	1110
2.79	14	570	2.45	21	840	2.11	28	1120
2.78	14	580	2.44	21	850	2.10	28	1120
2.77	14	590	2.43	21	860	2.09	28	1130
2.76	15	600	2.42	21	870	2.08	28	1140
2.75	15	600	2.41	22	880	2.07	28	1150
2.74	15	610	2.40	22	880	2.06	29	1160
2.73	15	620	2.39	22	890	2.05	29	1160
2.72	15	630	2.38	22	900	2.04	29	1170
2.71	16	640	2.37	22	910	2.03	29	1180
2.70	16	640	2.36	23	920	2.02	29	1190
2.69	16	650	2.35	23	920	2.01	30	1200
2.68	16	660	2.34	23	930	2.00	30	1200
2.67	16	670	2.33	23	940	Below 2.00 does not qualify for regular admission		
2.66	17	680	2.32	23	950			

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

**Eligibility Index Table for California High School Graduates  
or Residents of California**

**Eligibility Index  
for SAT I Tests taken April 1995 and thereafter**

<i>GPA</i>	<i>ACT score</i>	<i>SAT I score</i>	<i>GPA</i>	<i>ACT score</i>	<i>SAT I score</i>	<i>GPA</i>	<i>ACT score</i>	<i>SAT I score</i>
Above 3.00 qualifies with any score								
2.99	10	510	2.65	17	780	2.31	24	1060
2.98	10	520	2.64	17	790	2.30	24	1060
2.97	10	530	2.63	17	800	2.29	24	1070
2.96	11	540	2.62	17	810	2.28	24	1080
2.95	11	540	2.61	18	820	2.27	24	1090
2.94	11	550	2.60	18	820	2.26	25	1100
2.93	11	560	2.59	18	830	2.25	25	1100
2.92	11	570	2.58	18	840	2.24	25	1110
2.91	12	580	2.57	18	850	2.23	25	1120
2.90	12	580	2.56	19	860	2.22	25	1130
2.89	12	590	2.55	19	860	2.21	26	1140
2.88	12	600	2.54	19	870	2.20	26	1140
2.87	12	610	2.53	19	880	2.19	26	1150
2.86	13	620	2.52	19	890	2.18	26	1160
2.85	13	620	2.51	20	900	2.17	26	1170
2.84	13	630	2.50	20	900	2.16	27	1180
2.83	13	640	2.49	20	910	2.15	27	1180
2.82	13	650	2.48	20	920	2.14	27	1190
2.81	14	660	2.47	20	930	2.13	27	1200
2.80	14	660	2.46	21	940	2.12	27	1210
2.79	14	670	2.45	21	940	2.11	28	1220
2.78	14	680	2.44	21	950	2.10	28	1220
2.77	14	690	2.43	21	960	2.09	28	1230
2.76	15	700	2.42	21	970	2.08	28	1240
2.75	15	700	2.41	22	980	2.07	28	1250
2.74	15	710	2.40	22	980	2.06	29	1260
2.73	15	720	2.39	22	990	2.05	29	1260
2.72	15	730	2.38	22	1000	2.04	29	1270
2.71	16	740	2.37	22	1010	2.03	29	1280
2.70	16	740	2.36	23	1020	2.02	29	1290
2.69	16	750	2.35	23	1020	2.01	30	1300
2.68	16	760	2.34	23	1030	2.00	30	1300
2.67	16	770	2.33	23	1040	Below 2.00 does not qualify for regular admission		
2.66	17	780	2.32	23	1050			

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.

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 campus 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, 68121, 68123, 68124, and 89705-89707.5, and in Title 5 of the *California Code of Regulations*, Sections 41900-41912. A copy of the statutes and regulations is available for inspection at the campus Enrollment Services Office.

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; 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  
Winter January 5  
Spring April 1  
Summer July 1

#### Semester term campuses:

Fall September 20  
Winter January 5 (Stanislaus only)  
Spring January 25

Questions regarding residence determination dates should be directed to the campus 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 for one year to enable the student to qualify as a resident student.
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.
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.
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. Effective January 1, 1994, this exception continues until the military personnel has resided in the state the minimum time necessary to become a resident.
6. 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.
7. 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.
8. Certain credentialed, full-time employees of California school districts.

9. 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 applies only for the minimum time required for the student to obtain California residence and maintain that residence for one year.
  10. Certain exchange students.
  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.
- Any student, following a final campus decision on his or her residence classification only, may make written appeal to:

The California State University  
Office of General Counsel  
400 Golden Shore  
Long Beach, California 90802-4275

within 120 calendar days of notification of the final decision on campus of the classification. 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 new 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

### Refund Regulations

Refunds are not automatic. Whether a fee may be refunded and the circumstances under which a fee or any part of a fee may be refunded vary depending on the particular fee involved. Requirements governing refund may include such matters as the reason for seeking a refund, the number of days of instruction which have elapsed before application for refund is made, and the degree to which the campus has provided the services for which the fee has been charged.

Written application for refund of fees must be made on the Request for Refund form available from the Enrollment Services Office. The form must be completed and submitted prior to the Registration Calendar deadline. Refunds are considered only after a student files a Withdrawal Form at the Enrollment Services Office, or after submission of an Add/Drop Form which places a student in a lower fee category, or when a student who paid full-time fees obtains no more than 6.0 units. Refunds resulting from a change of program will be based on the date the Add/Drop Form is processed by the Records Office. Refunds requested later than 14 calendar days after the commencement of instruction will be considered only in the case of death, medical disability, or compulsory military service. Appropriate documentation supporting the Request for Refund must be attached to the form. Students are responsible for making sure they have met all administrative deadlines with all affected University departments including faculty, School or College, Enrollment Services Office, Financial Aid Office, Housing Office, Public Safety, and State Accounting Office. Students may not rely on anyone else to complete the necessary refund procedures on their behalf.

Fees which may *not* be refunded include:

1. Late registration fee.
2. The student body (ASI - Associated Students Inc.) organization fee, instructionally related activities fee (IRA), and student body center fee (University Union) except upon complete withdrawal from all classes within the first 14 days of instruction.

Fees which may be refunded include:

1. A fee collected in error.
2. State University fee, the student body (ASI - Associated Students Inc.) organization fee, instructionally related activities fee (IRA), and student body center fee (University Union) upon complete withdrawal within the first 14 days of instruction from the campus except for \$5.00 which shall be retained from the student services fee to cover the cost of registration in all cases other than those mentioned in number 4 below.

3. The difference between the two applicable student services fees (6.0 units or less versus more than 6 units), less \$5.00 if the unit load of the refund applicant is reduced to a lower fee category not later than 14 days following the day of the term when instruction begins.
4. Any fee, other than the application fee, paid by a refund applicant unable to continue a course because of a campus rule, compulsory military service, death, or physical disability. In each such case, the circumstances concerning the inability to continue shall be stated on the application for refund and supported by attaching appropriate documentation.
5. Application for admission fees shall be refunded only upon satisfactory proof that the applicant was unable to begin the term with respect to which the application was made by reason of the student's death, physical disability, or compulsory military service.
6. All or part of a fee, other than the state university fee (SUF), the student body (ASI - Associated Students Inc.) organization fee, instructionally related activities fee (IRA), and student body center fee (University Union), a summer session tuition fee, or an extension course tuition fee, not earned by the Trustees of the California State University system.
7. Special session tuition fees, in accordance with the allowable formula. For more information regarding refunds for special sessions, contact the University Extended Education Office at (209) 667-3111.

For a student who is attending CSU, Stanislaus for the first time, and ONLY for the first term of attendance, AND is receiving Title IV financial aid assistance, the refund of fees and charges shall be equal to the portion of the period of enrollment for which the student has been charged that remains on the last day of attendance by the student, rounded downward to the nearest ten percent of that period, less any unpaid charges owed by the student for the period of enrollment for which the student has been charged, and less a reasonable administrative fee not to exceed the lesser of five percent of the fees and charges to be refunded, or \$100. No fees shall be refunded when the date of student's withdrawal is after the 60 percent point in the period of enrollment for which the student has been charged. "The portion of the period of enrollment for which the student has been charged that remains" shall be determined by dividing the total number of weeks comprising the period of enrollment for which the student has been charged into the number of weeks remaining in that period as of the last recorded day of attendance by the student.

■

## Appendix F

### Average Annual Cost of Education and Sources of Funds per Full-time Equivalent Student

The 23 campuses and the Chancellor's Office of the California State University are financed primarily through funding provided by the taxpayers of California. The total state appropriation to the CSU for 1998-99 is \$2,055,928,000. However, the total cost of education for CSU is \$2,797,587,000, which must provide support for a projected 260,580 full-time equivalent (FTE) students. 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 total cost of education in the CSU is defined as the expenditures for current operations, including payments made to the students in the form of financial aid, and all fully reimbursed programs contained in the state appropriations, but excluding capital outlay appropriations and lottery funds. The average cost of education is determined by dividing the total cost by the total FTEs. The average cost is further differentiated into three categories: State Support (the state appropriation, excluding capital outlay), Student Fee Support, and Support from Other Sources (including Federal Funds).

Thus, excluding costs which relate to capital outlay, the average cost of education per FTE students is \$10,736. Of this amount, the average student fee support per FTE is \$2,357. (The State University Fee, application fee, and nonresident tuition are included in the average costs paid by the students; individual students may pay less or more than \$2,357, depending on whether they are part-time, full-time, resident, or nonresident students.)

	Average Cost Per Student		
	Amount	(FTE)	Percentage
Total cost of Education	\$2,797,587,000	\$10,736	100.0
State appropriation	\$2,055,928,000	\$ 7,890	73.5
Student fee support	\$ 614,275,000	\$ 2,357	21.9
Support from other sources	\$ 127,384,000	\$ 489	4.6

## Appendix G

### Student Discipline

Inappropriate conduct by students or by applicants for admission is subject to discipline as provided in Sections 41301 through 41304 of Title 5, *California Code of Regulations*. These sections are as follows:

**41301. Expulsion, Suspension and Probation of Students.** 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.
2. Forgery, alteration or misuse of campus documents, records, or identification or knowingly furnishing false information to a campus.
3. Misrepresentation of oneself or of an organization to be an agent of a campus.
4. Obstruction or disruption, on or off campus property, of the campus educational process, administrative process, or other campus function.
5. 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.
6. Theft of, or non-accidental damage to, campus property, or property in the possession of, or owned by, a member of the campus community.
7. Unauthorized entry into, unauthorized use of, or misuse of campus property.
8. 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.
9. 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.
10. Engaging in lewd, indecent, or obscene behavior on campus property or at a campus function.
11. Abusive behavior directed toward, or hazing of, a member of the campus community.
12. 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.
13. Soliciting or assisting another to do any act which would subject a student to expulsion, suspension, or probation pursuant to this Section.
14. For purposes of this Article, the following terms are defined:
  - a. The term "member of the campus community" is defined as meaning California State University Trustees, academic, nonacademic and administrative personnel, students, and other persons while such other persons are on campus property or at a campus function.
  - b. The term "campus property" includes:
    - i. real or personal property in the possession of, or under the control of, the board of Trustees of the California State University, and
    - ii. all campus feeding, retail, or residence facilities whether operated by a campus or by a campus auxiliary organization.
  - c. The term "deadly weapons" includes any instrument or weapon of the kind commonly known as a blackjack, slingshot, 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.

- d. The term "behavior" includes conduct and expression.
  - e. 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.
15. This Section is not adopted pursuant to Education Code Section 89031.
  16. 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 H

### 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 CSUS 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 reason(s) 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 School/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 their 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 School/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 School/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 CSUS Academic Senate and President.

Specific questions regarding Grade Appeal Procedures should be referred to the Associate Vice President for Academic Affairs, located in the Library Building, Room 175; or call (209) 667-3082. ■

## Appendix I

### Privacy Rights of Students in Education Records

The federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) and regulations adopted thereunder (34 C.F.R. 99) and *California Education Code* Section 67100 et seq., set out requirements designed to protect the privacy of students concerning their records maintained by the campus. Specifically, the statute and regulations govern access to student records maintained by the campus, and the release of such records. In brief, the law provides that the campus must provide students access to records directly related to the student and an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading or otherwise inappropriate. The right to a hearing under the law does not include any right to challenge the appropriateness of a grade as determined by the instructor. The law generally requires that written consent of the student be received before releasing personally identifiable data about the student from records to other than a specified list of exceptions. The institution has adopted a set of policies and procedures concerning implementation of the statutes and the regulations on campus. Copies of these policies and procedures may be obtained at the Enrollment Services Office or from the Vice President for Student Affairs. Among the types of information included in the campus statement of policies and procedures are: 1) the types of student records and the information contained therein; 2) the official responsible for the maintenance of each type of record; 3) the location of access lists which indicate persons requesting or receiving information from the record; 4) policies for reviewing and expunging records; 5) the access rights of students; 6) the procedures for challenging the content of student records; 7) the cost which will be charged for reproducing copies of records; and 8) the right of the student to file a complaint with the Department of Education. An office and review board have been established by the Department to investigate and adjudicate violations and complaints. The office designated for this purpose is: The Family Educational Rights and Privacy Act Office (FERPA), U.S. Department of Education, 330 "C" Street, Room 4511, Washington, D.C. 20202.

The campus is authorized under the Act to release "directory information" concerning students. "Directory information" includes the student's name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended by the student. The above designated information is subject to release by the campus at any time unless the campus has received prior written objection from the student specifying information which the student requests not to be released. Written objections should be sent to the Director of Enrollment Services.

The campus is authorized to provide access to student records to campus officials and employees who have legitimate educational interests in such access. These persons are those who have responsibilities in connection with the campus' academic, administrative or service functions and who have reason for using student records connected with their campus or other related academic responsibilities. Disclosure may also be made to other persons or organizations under certain conditions (e.g., as part of accreditation or program evaluation; in response to a court order or subpoena; in connection with financial aid; to other institutions to which the student is transferring). ■

## Appendix J

### Institutional and Financial Assistance

The following information concerning student financial assistance may be obtained from the Director of Financial Aid/Scholarships, Library 110, (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 Services Office, (209) 667-3241.

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) 667-3241.

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 Services Office, (209) 667-3241.

Information concerning the academic programs of CSU Stanislaus may be obtained from the Associate Vice President for Academic Affairs, Library 175b, (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 Counseling, Career Development and Academic Support Services, Student Services Building, Room 111, (209) 667-3381. ■



## Appendix K

### 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 Advisers and Sexual Harassment Officers are required to maintain confidentiality in dealing with sexual harassment complaints.

#### Definition of Sexual Harassment

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

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

Sexual harassment is unethical and unprofessional conduct, illegal, and against California State Stanislaus University 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, or 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 Advisers (SHA)

All SHAs are volunteers. The Affirmative Action Officers 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 inquires which may involve sexual harassment;
- b. Advise the complainant regarding applicable University policies and procedures and outline various informal and formal options.
- 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 Affirmative Action 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.

\* 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.

### **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 Affirmative Action 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. ■

## Appendix L

### Learning Disabled Student G.E.-Breadth Requirement Waiver

A student with a diagnosed learning disability or neurological disorder, that significantly impairs performance in mathematics, may be eligible for a waiver and substitution of the General Education-Breadth Mathematics 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 Coordinator of Disabled Student Services and/or the Learning Disability Specialist in order to determine if the student's disability qualifies him/her for this course substitution according to the standards established by the California State University. Additional neurological testing may be required if not included in the documentation.

The following is a policy for waiving the General Education-Breadth (G.E.B) requirement in the area of Mathematics for a student with a learning disability or neurological disorder. Students for whom the G.E.B. Mathematics requirement is waived are required instead to complete additional course work in the G.E.B. Area B.1. Physical Science, or other selected G.E.B. area.

1. The student will have taken the Entry Level Mathematics test (ELM) with accommodations, such as additional testing time.
2. The student will have completed the appropriate developmental math course(s) with accommodations in both testing and instruction methods.
3. The student must be registered with Disabled Student Services (DSS).
4. The student must have a documented learning disability which meets the established California State guidelines. The learning disability must be in areas that adversely affect the student's mathematical processing skills.
5. A student with a neurological disorder must be assessed by a qualified professional. The verification must specifically state that the disorder adversely affects the student's mathematical processing skills.
6. The student will submit a Petition for Waiver to the Coordinator of Disabled Student Services, and will attach a letter addressing the following:
  - a. Type of disability,
  - b. previous efforts made,
  - c. potential for success at the University,
  - d. support services utilized.
7. If a disability is identified, the Coordinator of the Disabled Student Services Program will address a request for waiver of the ELM requirement to the Associate Vice President for Academic Affairs, summarizing the evidence for the disability. The request may include the recommendation that the student substitute work in G.E.B. Area B.1. for the requirements in Area B.3. ***A waiver under this procedure is available only for the mathematics requirement under General Education and Breadth; it does not apply to a mathematics course which is a support or major requirement.***
8. The Associate Vice President for Academic Affairs (or designee), in consultation with the Coordinator of Disabled Student Services, will decide whether the waiver is warranted. If the student wishes to appeal the decision, a request may be submitted to the Appeals Committee, which will review and approve or disapprove. The approved or disapproved request will be returned to the DSS Coordinator, who will notify the student. If the request is approved, the Associate Vice President for Academic Affairs will notify the Enrollment Services Office so satisfaction of the requirements under ELM and G.E.B. Area B.3. can be recorded. ■

## Appendix M

### Learning Disabled Student Course Substitutions in the Major, Minor, or Concentration

The following is a policy for course substitutions in a student's major, minor, concentration, or specified prerequisites, for a student with a learning disability or neurological disorder.

1. The student shall be registered with Disabled Student Services (DSS).
2. The student must have a documented learning disability which meets the established California State guidelines. The learning disability must be in areas that adversely affect the student's ability to meet specific course requirements.
3. A student with a neurological or physical disorder must be assessed by a qualified professional. The verification must specifically state that the disorder adversely affects processing or physical skills necessary in the required course.
4. A student who perceives a need to substitute a course in the student's degree program or prerequisites shall submit a Petition for Waiver. The student shall attach a letter addressing the following issues:
  - a. Type of disability,
  - b. previous efforts made,
  - c. potential for success in major,
  - d. utilization of support services.
5. The petition shall go to the appropriate department chairperson, who, in consultation with the Coordinator of Disabled Student Services, shall make a decision on the appropriateness of the petition. If approved, the department shall notify the Enrollment Services Office in writing, with a copy to the Coordinator of Disabled Student Services.
6. The department's decision shall be considered final.
7. If a student decides to pursue a teaching credential or waiver program, he/she must realize that he/she will still be required to demonstrate proficiency on state-mandated tests (e.g., CBEST, NTE) and in course work in the waiver program, (e.g. MATH 1030 and 1040). ■

## Appendix N

## College Board Advanced Placement Examination Policy

AP Exam Title	Required Score	Course Equivalency	Units Allowed	G.E. Area	LIBS Area	Major Credit
Art						
History of Art	3	Art 2515	6	C.1	C.1	Yes
	3	Art 2520		C.1	C.1	Yes
Studio Art	3	Art 1000	6	C.1	C.1	Yes
	3	Art 1100		C.1	C.1	Yes
Biology	3	Biol 1010	8	B.2	B.2	Yes
Biology Lab	3	Biol 1020		B.2	B.2	Yes
Chemistry	3	Chem 1100	5	B.1	B.3	Yes
		Includes Lab Credit				
Computer Science A	3	CS 1500	3	None	None	Yes
Computer Science AB	3	CS 1500	6	None	None	Yes
	3	CS 2500		None	None	Yes
Economics (Macro.)	3	Econ 2500	6	D.2.a	None	Yes
Economics (Micro.)	3	Econ 2510		D.2.a	None	Yes
English/Language &Comp.	3	Engl 1001	3	A.2	D.2.a	No
English/Literature &Comp.	3	Engl 1001	6	A.2	D.2.a	No
	3	Engl 1010		C.2	C.4	No
French Language	3	Fren 2010	8	C.3	C.6	Yes
	3	Fren 2020		C.3	C.6	Yes
French Literature	3	None	6	C.3	C.4	No
German Language	3	Germ 2010	8	C.3	C.6	No
	3	Germ 2020		C.3	C.6	No
German Literature	3	None	6	C.3	C.4	No
Govt. and Politics/Compar.	3	None	3	D.2.a	None	No
Govt. and Politics/U.S.*	3	PS 1201*	3	*D.1.b	*A.1	*Yes
History/European	3	None	6	D.2.a	None	No
History/United States	3	Hist 2600	6	D.1.a	A.2	Yes
Latin/Literature	3	None	3	C.3	C.4	No
Latin/Virgil	3	FLAN 1090	6	C.3	C.6	No
	3	FLAN 1091		C.3	C.6	No
Mathematics/Calculus AB	3	Math 1100	6	B.3	None	No
	3	Math 1410		B.3	None	Yes
Mathematics/Calculus BC	3	Math 1410	6	B.3	None	Yes
		Math 1420		None	None	Yes
Music Theory	3	Mus 1220	6	None	None	Yes
		Mus 1230		None	None	Yes
Physics B	3	Consult Dept.	6	***B.1	None	No
Physics C/Mechanics	3	Phys 2250**	4	***B.1	None	Yes**
Electricity &Magnetism	3	Phys 2260**	4	***B.1	None	Yes**
Psychology	3	Psyc 2010	3	D.2.b	A.3	Yes
Spanish Language	3	Span 2010	8	C.3	C.6	Yes
		or 2011				
		Span 2020		C.3	C.6	Yes
		or 2015				
Spanish Literature	3	None	6	C.3	C.4	No
Statistics	3	MATH 1600 <b>or</b>	3	B.3	None	Yes
		Math 1610 <b>or</b>				
		Math 1620				

\* Does not include California State & Local Government.

\*\* Consult Physics Department for Lab Credit in the major.

\*\*\* Includes General Education lab credit only.



## Appendix O

### College Level Examination Program (CLEP) General Examination Credit Allowances<sup>(1)</sup>

See notes on next page that correspond to the numbers in parentheses, e.g., (1), (2).

Test Title	Min. <sup>(1)</sup> Score	Sem. Units	CSUS Course	Gen. Ed. Area	Lib. St. Area	Comments
English (2)	N/A	0	None	None	None	
Humanities	420	6	None	C.3 <sup>(3)</sup>	None	This exam is a mixture of literature/art/music. 3 units elective credit allowed.
Mathematics	N/A	0	None	None	None	
Natural Sciences	420	3	None	None	None	Wide range of topics, basic principles and concepts science. 3 units elective credit allowed.
Social Sciences	420	6	None	D.2.a <sup>(3)</sup>	None	3 units elective credit allowed.

### College Level Examination Program (CLEP) Subject Credit Allowances

Test Title	Min. <sup>(3)</sup> Score	Sem. Units Allow.	CSUS Equivalent Course	Gen. Ed. Area	Lib. St. Area
Introductory Accounting <sup>(5)</sup>	47	6	None	None	None
American Government	47	3	PSCI 1201 <sup>(6)</sup>	D1a <sup>(6)</sup>	A1 <sup>(6)</sup>
American History I: Colonizations to 1877 <sup>(5)</sup>	45	3	None	D1a	A2
American History II: 1865 to Present <sup>(5)</sup>	45	3	None	D1a	A2
American Literature <sup>(5)</sup>	46	6	ENGL 2200, 2210	C2, C3	C4
General Biology (No lab)	46	6	BIOL 1010	B2	None
Introduction to Business Law	51	3	None	None	None
Calculus w/Elementary Functions	41	6	MATH 1410,1420	B3	B1
General Chemistry (No lab)	47	6	CHEM 1100, 1110	B1	None
College Spanish <sup>(1) (2) (5)</sup>	41	6 (or)	SPAN 1010, 1020	C3	C6
College French <sup>(1) (2) (5)</sup>	39	6 (or)	FREN 1010, 1020	C3	C6
College French <sup>(3) (4) (5)</sup>	45	12	FREN 2010, 2020	C3	C6
College German <sup>(1) (2)</sup>	36	6 (or)	GERM 1010, 1020	C3	C6
College German <sup>(3) (4)</sup>	42	12	GERM 2010, 2020	C3	C6
College Spanish <sup>(3) (4) (5)</sup>	50	12	SPAN 2010, 2020	C3	C6
College Algebra	46	3	None	B3	None
College Algebra/ Trigonometry	45	3	None	B3	None
Introduction to Educational Psychology	47	3	None	None	None
English Literature <sup>(5)</sup>	46	6	ENGL 2100, 2110	C2, C3	C4
Freshman College Composition	44	6	ENGL 1001	A2	D2a
Human Growth & Development	45	3	None	None	A3 <sup>(4)</sup>
Information Systems & Computer Appl.	52	3	None	None	None
Analysis & Interpretation of Literature <sup>(5)</sup>	49	6	ENGL 1010	C2, C3	None

College Level Examination Program (CLEP)  
Subject Credit Allowances continued –

Test Title	Min. <sup>(3)</sup> Score	Sem. Units Allow.	CSUS Equivalent Course	Gen. Ed. Area	Lib. St. Area
Principles of Macro Economics	44	3	ECON 2500	D2a	None
Principles of Management	46	3	None	None	None
Principles of Marketing	50	3	None	None	None
Principles of Micro Economics	41	3	ECON 2510	D2a	None
Introduction to Education Psychology	47	3	None	None	None
General Psychology	47	3	PSYC 2010	D2b	A3
Introductory Sociology	47	3	None	None	None
Trigonometry	50	3	None	None	None
Western Civilization I: Near East to 1648	46	3	None	D2a	A6
Western Civilization II: 1648 to Present	47	3	None	D2a	A6

**NOTES:**

- (1) Minimum scores for CLEP General Exams prior to July 1, 1993 were 421-500. After this date, all scaled scores end in zero.
- (2) For English Composition exams taken between 1978 and April 1986, the minimum score for awarding credit was 530 and above.
- (3) 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.
- (4) Credential Applicants must use this course in Area F., not A.3.
- (5) These examinations will be reviewed (and may be rescored).
- (6) This examinations does not include California State and Local Government.

## Appendix P

### 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. While historically acts of sexual assault have been considered unique in terms of society's responses to the survivors involved, this University will view any act identified as 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.**

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 % 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.

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.

#### 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 of the University 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:

In cases where the accused is believed to be a student or the involvement of a student organization is suspected, the Vice President of Student Affairs/Dean of Students, the Senior Director of Student Life/Director of Health Center, the Assistant to the President for Equal Opportunity and Internal Relations, the Senior Director of Retention Services/Director of Counseling, Career Development, Student Support Services, and the Vice President of Development and University Relations will be notified. The Director of Student Relations and Judicial Affairs will investigate the complaint and initiate separate appropriate actions under student disciplinary procedures and/or student organizations disciplinary procedures.

Incidents in which the accused is an employee of the University and the victim is a student, will be reported to the Vice President of Student Affairs/Dean of Students, the Associate Vice President for Academic and Human Resources, the Senior Director of Student Life/Director of Health Center, the Assistant to the President for Equal Opportunity and Internal Relations, the Senior Director of Retention Services/Director of Counseling, Career Development, Student Support Services, and the Vice President of Development and University Relations. The complaint will be investigated with the assistance of the University Police/Public Safety department and all information will be forwarded for a separate disciplinary action to the appropriate Vice President and/or President.

In incidents where the accused is an employee of the University and the victim is also an employee, it will be reported to the Associate Vice President for Academic and Human Resources and the Assistant to the President for Equal Opportunity and Internal Relations.

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, the Senior Director of Student Life/Director of Health Center, the Assistant to the President for Equal Opportunity and Internal Relations, and the Associate Vice President for Academic and Human Resources are charged with conducting administrative investigations related to sexual assaults, 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 hearing will be conducted by the Senior Director of Student Life or designee in accordance with procedures set forth in the Chancellor's Executive Order No. 148. Any disciplinary action shall be imposed in accordance with guidelines and sanctions outlined by the Trustees in Sections 41301 and 41302 of Title 5 Education, California Administrative Code and the Chancellor's Executive Order 148.

In the case of an accused faculty member or other employee of the University, the disciplinary hearing will be conducted in accordance with established California State University procedures and those procedures identified in appropriate bargaining unit agreements. Any disciplinary action shall be administered in accordance with guidelines and sanctions outlined in these procedures and agreements.

Conduct that violates Sections 41301 and 41302 to Title 5 Education, California Administrative Code or other codes of conduct may also violate specific criminal and civil codes of the state. In such instances, the University may proceed with disciplinary action, despite the fact that criminal and/or civil action may be pending in court. The imposition of University disciplinary action will be independent of, and additional to, the criminal prosecution sought for acts of sexual assault and may occur prior to criminal or civil disposition.

The President may order the immediate suspension of any student and/or employee for an interim period pending a hearing whenever the President determines such action is required to protect lives and/or property, and/or insure the maintenance of order. Individuals suspended shall be afforded an opportunity for a hearing with respect to the immediate suspension no later than ten working days after the suspension occurs.

## Administrative Disciplinary Sanctions

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. Sanction recommendations will be made to the President by the Senior Director of Student Life or designee. The President will then inform the student in writing of the sanctions imposed.

The following sanctions may be imposed on recognized student organizations found to condone, promote or be involved in incidents of sexual assault: withdrawal of University recognition; informing the organization's national or regional offices of the activity; disbanding of the local chapter by the national organization; prohibiting participation in campus activities, events and programs; requiring relevant community service and/or participation in sexual assault awareness programs by all group members; loss of all University privileges, including equipment use, room permits, advertising space and on-going campus fund-raising. Sanction recommendations will be made to the President by the Senior Director of Student Life or designee. The President will then inform the organization in writing of sanctions imposed.

Sanctions up to and including dismissal from employment may be imposed on University faculty and staff members found guilty of sexual assault, following the utilization of established California State University procedures, and guidelines set forth in appropriate collective bargaining agreements.



## **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.

### **Counseling and Career Development Center (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 Senior Director of Student Life 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 personnel 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 Equal Opportunity and Internal Relations (209) 667-3011**

The Assistant to the President for Equal Opportunity and 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 seven person team of advisors consists of selected members of the University's faculty, staff, and administration. Designated advisors may be contacted through the Officer for Equal Opportunity and Internal Relation

## **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's 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.

The Department of Public Safety/University Police reports all sexual assaults occurring on campus in accordance with criterion established by the State of California Bureau of Crime Statistics, and The Federal Bureau of Investigation. Additionally, the department publishes a monthly crime analysis report for University administrative review, and an annual, two-year detailed comparative crime statistics report for general distribution in the campus community.

### **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's Women Center (24 hours) (209) 527-5558 (Stanislaus Rape Crisis Center)

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. The Stanislaus Rape Crisis 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 Women's Place Center (24 hr.) ..... (209) 722-4357  
(Merced County)

Mountain Women's Resource Center  
(24 hr.) ..... (209) 588-9305  
(Tuolumne County)

Calaveras County Women's  
Center (24 hr.) ..... (209) 736-4011

Family Service Agency ..... (209) 524-6371

Emanuel Hospital ..... (209) 667-4200

Doctor's Medical Center ..... (209) 576-3609

Memorial Medical Center  
(Ask for Emergency Dept.) ..... (209) 526-4500

Stanislaus County District Attorney's  
Office ..... (209) 525-5550

Child Protective Services (24 hr.) ..... 1-800-558-3665

Turlock Police Department ..... 911

Stanislaus County Sheriff's Department ..... 911

Ambulance ..... 911

## 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.**

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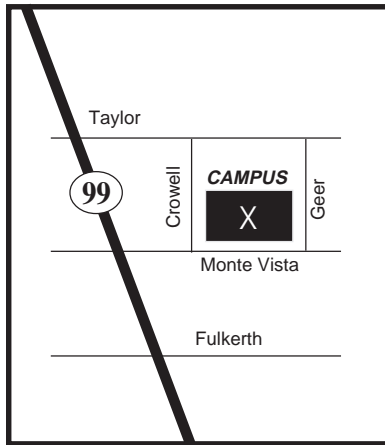
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- C Classroom Building
- D Drama Building
- DBH Demergasso-Bava Hall
- E Educational Services Building
- EV Event Center
- FH Field House
- G Gymnasium
- HC Health Center
- IC Innovative Center
- L Library Building
- M Music Building
- MDH Main Dining Hall
- ND North Dining Room
- RLV Residential Life Village
- S Science Building
- SD South Dining Room
- SS Student Services Building
- U University Student Union

