

HISTORY

Office: Craven Hall, First Floor

Telephone: (760) 750-4152

Department Chair:

Patricia S. Seleski, Ph.D.

Faculty:

Peter J. Arnade, Ph.D.
 Jeffrey Charles, Ph.D.
 Anthony Evans, Ph.D.
 Reuben Mekenye, Ph.D.
 Carmen Nava, Ph.D.
 Earl A. Schwartz, Ph.D.
 Alyssa G. Sepinwall, Ph.D.
 Patricia S. Seleski, Ph.D.
 Jill Watts, Ph.D.
 Zhiwei Xiao, Ph.D.

Programs Offered:

- Bachelor of Arts in History
- Single Subject Preparation in Social Science, History Major Option
- Minor in History

History interprets the past for the present by exploring the institutions, ideas, cultures, and creations of men and women in the context of time and place. It is focused on change over time, change both of the subjects of study and of historians' attempts to make sense of those subjects. History ranges over all of recorded human experience, naturally interfacing with the arts, sciences, social sciences, and other humanities.

The student of history will learn to evaluate evidence critically, to sift and organize evidence fairly and persuasively, to analyze the evidence for its patterns and meanings, and to integrate this into a broad context of human experience. Historical study provides perspective, helping individuals to place their own lives, values, and world events in context, and to recognize the processes of change that have brought us to the present.

History majors find careers in a great variety of fields. History is a traditional preparation for law, foreign service, teaching, public affairs, journalism, and work in museums or historical societies. History majors hold such diverse positions as presidents of banks, personnel officers, senators, network news anchors, purchasing agents, city managers, judges, small business owners, and public safety officers. In addition, there is a growing arena of careers directly related to history — museum directors, curators, historical consultants, archivists, historical site administrators, and historic preservation officers. Both government agencies and private corporations hire historians to research, analyze, and organize their records. Many of these latter careers require some graduate work in history.

Preparation for the Major

Completion of twelve (12) units of lower-division history study, which must include exposure to two world areas in sequence is required. Completion of a writing composition course is required. Completion of nine (9) units of work in related fields comprised of six (6) units of coursework in one of the following: literature, religion, political science, economics, sociology, fine arts or in a single interdisciplinary field is required. One course (3 units) in a second and distinct subject from those listed above. Competency in a foreign language, equivalent to three semesters (an intermediate level) of study at the university or college level, is also required.

Major Requirements

In addition to the lower-division courses completed as preparation, the major requires thirty-three (33) upper-division units including nine (9) units in a primary thematic field, six (6) units in a secondary thematic field, successful completion of HIST 301 and a 400-level history seminar course, and twelve units of electives in history. One upper-division course must have the majority of its content before 1800. Courses in the major must be taken from at least three different world areas that include: Africa, Asia, Europe, Latin America, Middle East, United States and Comparative/Transnational History. One course must have considerable content on Women's History/Gender. All majors must complete and submit a portfolio of their coursework including a written narrative for evaluation by the department during their final semester before graduation. Students must complete all courses for the major with a grade of C (2.0) or better, and may include no more than three (3) units of internship toward the major.

BACHELOR OF ARTS IN HISTORY

	Units
General Education	48
Preparation for the Major*	24
Major Requirements	33
General Electives	19
<i>Total Required</i>	<i>124</i>

**Refer to explanation of units in the section that follows. These may simultaneously fulfill major preparation and General Education requirements.*

Preparation for the Major

	Units
Lower-division (24)	
Lower-division History courses including:	
Two sequences in two different world areas	12
Related breadth courses including:	
Two courses in Literature, Religion, Political Science, Economics, Philosophy, Sociology, Anthropology, the Arts or a single interdisciplinary field	6
One course in a second and distinct subject from those listed above	3
GEW 101 or equivalent*	3

**Strongly recommended to be taken at the beginning of the junior year. Prerequisite for 400-level seminar.*

Total Units 24

Major Requirements 33

Upper-division (33 units)

HIST 301** 3

Upper-division History courses drawn from the five thematic areas which include: Politics and Institutions, Race and/or Ethnicity, Culture and Ideas, Gender, and Economics and Class (Students may create their own theme by petition and with the approval of the History program.)

Upper-division History courses are to be distributed as follows:

Primary theme to include:

300 level History courses 9

400 level History seminar course*** 3

Secondary theme distinct from the primary theme (courses may not be the same courses as used for the primary theme) 6

Upper-division History Electives 12

Total Units 33

- Of the 33 units:
- a. One course must have the majority of its content before 1800.
 - b. Courses must be taken from at least three areas that include: Africa, Asia, Europe, Latin America, Middle East, United States and Comparative/Transnational History.
 - c. Note: One course must have considerable content on Women's History/Gender (this requirement may be fulfilled simultaneously with other History requirements).

Supplemental requirement:
Students must complete and submit a portfolio of their coursework including a written narrative.

SINGLE-SUBJECT PREPARATION IN SOCIAL SCIENCE, HISTORY MAJOR OPTION

Students interested in majoring in History and teaching at the secondary level may elect the Single-Subject option in Social Science. For certification of this option, students must maintain a 2.7 GPA both in overall work and in all courses used to complete the major and option.

Summary of Requirements

Lower-division Preparation (27)

Lower-division History Courses including:

United States History Survey HIST 230, 231 or equivalent 6

World History or Western Civilization Survey 6

HIST 201 and 202 or equivalent

Related breadth courses including:

United States Government PSCI 100
PSCI 300
PSCI 415 or equivalent 3

Political Science Electives (may be taken at the lower- or upper-division level) 3

Economics including Macro/Micro economics 6

ECON 201
ECON 202
or
ECON 250
ECON 301
ECON 302
ECON 303 or equivalent

GEW 101 or equivalent** 3

Total Units 27

Supporting requirements:

Lower- or upper-division electives in Psychology and/or Sociology 6

***Strongly recommend before taking History courses numbered higher than 299.*

Major Requirements

HIST 301*** 3
 GEOG 301 3

Upper-division History courses (30)
 Drawn from the five thematic areas which include: Politics and Institutions, Race and/or Ethnicity, Culture and Ideas, Gender, and Economics and Class (Students may create their own theme by petition and with the approval of the History program.)

***Strongly recommended to be taken at the beginning of the junior year. Prerequisite for 400-level seminar.

Primary Theme distributed as follows:
 300 level History courses 9
 400 level History seminar course# 3

Secondary Theme distributed as follows (courses may not be the same courses as used for the primary theme): 6

California History HIST 347 3

Upper-division History Electives 9

#Excluding 494, 495, 499

Note: Of the thirty units above:

- a. One course must have the majority of its content before 1800
- b. Courses must be taken from at least three world areas that include: Africa, Asia, Europe, Latin America, Middle East, United States and Comparative/Transnational History

		THEME				
		Politics and Institutions	Race and/or Ethnicity	Culture and ideas	Gender	Economics and Class
AREA	Africa	HIST 370 HIST 371 HIST 375	HIST 371 HIST 374	HIST 370 HIST 374		
	Asia	HIST 363 HIST 364 HIST 365	HIST 362	HIST 362 HIST 363 HIST 364 HIST 365		
	Europe	HIST 305 HIST 307 HIST 308 HIST 313 HIST 318 HIST 319 HIST 320 HIST 321 HIST 322 HIST 323 HIST 324 HIST 325 HIST 326	HIST 307 HIST 320 HIST 321	HIST 308 HIST 313 HIST 316 HIST 317 HIST 318 HIST 322 HIST 323 HIST 324 HIST 327	HIST 316 HIST 327	HIST 305 HIST 317 HIST 319 HIST 325 HIST 326
	Latin America	HIST 352 HIST 353 HIST 354 HIST 359	HIST 350 HIST 354 HIST 355 HIST 356	HIST 352 HIST 356	HIST 355	HIST 350 HIST 353 HIST 359
	Middle East	HIST 380 HIST 384 HIST 385		HIST 380 HIST 385	HIST 384	
	United States	HIST 330 HIST 334 HIST 335 HIST 336A HIST 336B HIST 336C HIST 336D HIST 336E HIST 336F HIST 337 HIST 338 HIST 347 HIST 349	HIST 332 HIST 334 HIST 335 HIST 336C HIST 336A HIST 337 HIST 338 HIST 339 HIST 343 HIST 344 HIST 345 HIST 346 HIST 347	HIST 330 HIST 336D HIST 336F HIST 341 HIST 343 HIST 344 HIST 348	HIST 332 HIST 341 HIST 348	HIST 336B HIST 336E HIST 339 HIST 345 HIST 346 HIST 349
	Comparative/Transnational History	HIST 388 HIST 389		HIST 388 HIST 390		HIST 389 HIST 390

- c. Note: One course must have considerable content on Women's History/Gender (this requirement may be fulfilled simultaneously with other History requirements).

Supplemental requirement:

Students must complete and submit a portfolio of their coursework including a written narrative.

Total Units 30

MINOR IN HISTORY

A minor in History shall consist of twenty-one (21) units of study in History. Twelve (12) units must be in upper-division courses. Students must include in their program courses in at least two world areas, and one six-unit sequence of course work, either at lower or upper-division. A six-unit (6-unit) sequence may consist of either two courses at the same level in which the content of the second continues chronologically the content of the first or a 300-level course and a 400-level seminar which builds on a theme covered in the 300-level course. Students must complete all courses for the minor with a grade of C (2.0) or better, and may include no more than three (3) units of internship toward the minor.

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HUMAN DEVELOPMENT

Office: Craven Hall, Sixth Floor

Telephone: (760) 750-4117

Program Director:

Darlene L. Piña, Ph.D.

Faculty:

Bonnie Bade, Ph.D.

Larry W. Cohen, Ph.D.

Brian J. Norris, Ph.D.

Cherie G. O'Boyle, Ph.D.

Robert E.L. Roberts, Ph.D.

Fernando Soriano, Ph.D.

Patricia E. Worden, Ph.D.

Programs Offered:

- Bachelor of Arts in Human Development
Areas of emphasis:
 - Adult and Gerontology Services
 - Children's Services
 - Counseling Services
 - Health Services
- Multiple Subject Credential Waiver Option (under Children's Services Emphasis only)

The human development major is an interdisciplinary program that focuses on human growth and development throughout the lifespan, and on the familial, social, cultural, and political networks in which individuals develop. Course offerings are drawn primarily from psychology, sociology, and biology, with electives available from other programs offered by the college. The human development major is designed to prepare undergraduates to succeed in an increasingly diverse cultural, ethnic, economic, and political environment. Respect for those differences in the context of social services settings is an integral part of our program.

Admission and Degree Requirements

Each course counted toward the major must be completed with a grade of C (2.0) or higher. A minimum of eighteen (18) units counted toward the human development major must have been completed at CSU San Marcos.

Advising

Students should consult advisors to work on selecting an appropriate choice of elective courses to complement their area of emphasis and career goals. Examples from which students might choose are listed below under upper-division free electives.

Career Opportunities

Students with a bachelor's degree in human development are qualified to work in a variety of settings related to providing services for others. These might include health care; child and adult daycare centers; community projects providing outreach to youth and adults; sales; service-related government agencies such as housing, law enforcement, and criminal justice; and assisting with community development, both in the United States and around the world. A bachelor's degree in human development may also prepare students for graduate studies in marriage, family, and child counseling; social work; teaching; public administration; business; or the law. Students interested in these career opportunities should consult with advisors in appropriate areas before planning their programs. Finally, the human development major will prepare students for master's and doctoral level training in fields such as sociology, anthropology, ethnic studies, women's studies, and human development.

BACHELOR OF ARTS IN HUMAN DEVELOPMENT

	Units
General Education	48
Preparation for the Major	16
Major Requirements	15
Emphasis Requirement	18
General Electives	27
<i>Total Required</i>	<i>124</i>

Preparation for the Major

	Units
Lower-division (16 units)	
ANTH 200	3
PE 201	4
PSYC 100	3
PSYC 220	3
PSYC 230	3

Major Requirements

Upper-division (33 units)	
Three (3) units of Management and Administration HD 300 or MGMT 302 and HD 302	3
Six (6) units of Field Studies selected from:	6
HD 495 SOC 495	
PSYC 495 SOC 497	
SOC 333	
Three (3) units of Multicultural Perspectives selected from:	3
ANTH 301 PSYC 341	
ANTH 302 SOC 313	
ID 340	
Three (3) units of Capstone HD 490	3
Eighteen (18) units in the Area of Emphasis (upper-division):	18

Adult and Gerontology Services Emphasis Requirements

This emphasis centers on development from age 18 to the last part of the human lifespan, and the related concerns of this period, and includes the study of death and dying.

Eighteen (18) units of upper-division requirements

	Units
Six (6) units of Biology	
BIOL 321	3
Choose one of the following courses:	3
BIOL 316 BIOL 325	
BIOL 322 BIOL 327	
BIOL 323	
Six (6) units of Psychology	
PSYC 356	3
Choose one of the following courses:	3
PSYC 330 PSYC 350	
PSYC 336 PSYC 334	
PSYC 332 PSYC 360	
Six (6) units of Sociology	
SOC 427	3
Choose one of the following courses:	3
SOC 303 SOC 321	
SOC 309 SOC 331	
SOC 314 SOC 429	
SOC 315 SOC 487	

Total Units 18

Children's Services Emphasis Requirements

This emphasis focuses on developmental issues during the first 18 years of the human lifespan, and on the problems and issues relevant to this age.

Eighteen (18) units of upper-division requirements

	Units
Six (6) units of Biology	
BIOL 327	3
Choose one of the following courses:	3
BIOL 321 BIOL 325	
BIOL 323	
Six (6) units of Psychology	
PSYC 330	3
Choose one of the following courses:	3
PSYC 332 PSYC 350	
PSYC 334 PSYC 352	
PSYC 336 PSYC 354	
Six (6) units of Sociology	
SOC 317	3
Three (3) units chosen from	3
SOC 303 SOC 323	
SOC 315 SOC 413	
SOC 319 SOC 486	
SOC 321	

Total Units 18

Counseling Services Emphasis Requirements

This emphasis focuses on psychological well-being and distress throughout the human lifespan.

Eighteen (18) units of upper-division requirements

	Units
Three (3) units of Biology	
Chosen from:	3
BIOL 316 BIOL 325	
BIOL 321 BIOL 327	
BIOL 322 BIOL 328	
BIOL 323	
Three (3) units of Human Development	
HD 361	3
Six (6) units of Psychology	
PSYC 334 or PSYC 336	3
Choose one of the following courses:	3
PSYC 330 PSYC 350	
PSYC 332 PSYC 352	
PSYC 334* PSYC 356	
PSYC 336* PSYC 428	
PSYC 340 PSYC 461	

Six (6) units of Sociology	
SOC 303	3
Choose one of the following courses:	3
SOC 307 SOC 417	
SOC 316 SOC 423	
SOC 321 SOC 426	
SOC 325 SOC 429	
SOC 327 SOC 486	
SOC 331 SOC 488	
SOC 415	

Total Units 18

**Students are strongly recommended to take either PSYC 334 or PSYC 336 as their elective choice in this category, but it cannot be double-counted.*



Health Services Emphasis Requirements

This emphasis focuses on physiological well-being and illness throughout the human lifespan.

Eighteen (18) units of upper-division requirements 18

Six (6) units of Biology chosen from: 6
 BIOL 316 BIOL 325
 BIOL 321 BIOL 327
 BIOL 322 BIOL 328
 BIOL 323

Six (6) units of Psychology chosen from: 6
 PSYC 334 PSYC 356
 PSYC 336 PSYC 360
 PSYC 340 PSYC 432
 PSYC 350 PSYC 461

Six (6) units of Sociology
 SOC 314 3
 Choose one of the following courses: 3
 SOC 309 SOC 419
 SOC 316 SOC 426
 SOC 321 SOC 427
 SOC 324 SOC 429
 SOC 331 SOC 488

Total Units 18

Multiple-Subject Waiver Option (Under the Children's Services Emphasis only)

Students taking the Children's Services Emphasis may qualify for a subject area competency clearance in lieu of the national teacher's examination (Multiple-Subject Waiver) by taking an additional 18-24 units. Nine units of this work may also be used to fulfill upper-division General Education. The additional course-work will depend upon the specific pattern of lower-division General Education which has been completed. In general, the additional coursework will include the following:

	Units
Mathematics	3
Earth or Physical Science	3
Literature (EDUC 400)	3
Linguistics [LING 300 and an additional three (3) units in language development are also strongly recommended]	3
Arts and/or Humanities	3-6
GEOG 301	3

Students wishing more information about the Multiple Subject Waiver should see the Liberal Studies Advisor in the College of Arts and Sciences.

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LIBERAL STUDIES

Office: Craven Hall, Sixth Floor

Telephone: (760) 750-4104

Department Chair:

Vivienne Bennett, Ph.D.

Faculty:

African-American History:

Marcia Sawyer, Ph.D.

Anthropology:

Bonnie Bade, Ph.D.

Ethnic Studies:

Leonel A. Maldonado, Ph.D.

Geography:

Aníbal Yáñez-Chávez, Ph.D.

Science and Society:

Robert C. Yamashita, Ph.D.

Latin American Studies:

Vivienne Bennett, Ph.D.

Urban and Regional Planning:

Kimberley Knowles-Yáñez, Ph.D.

Programs Offered:

- Bachelor of Arts in Liberal Studies

The reality of global interactions between people and the environment today increasingly challenges the borders that divide knowledge and academic disciplines, that divide scientist from social scientist, artist from scientist, and social scientist from artist. With the accelerated speed of new technologies, the borders of cultures and communities are simultaneously blurred and highlighted - but cannot be ignored. Preparing to meet the demands of massive amounts of information and rapidly changing social, political, cultural and scientific environments with awareness, flexibility, and innovation can be daunting.

Discovering and providing the tools to meet this challenge is the particular mission of the Liberal Studies Program at CSU San Marcos.

The Liberal Studies major (all options) is a state-approved Multiple Subject Subject-Matter Preparation Program. Completion of a Multiple Subject Program (such as the Liberal Studies options 1 and 2), or a passing score on the MSAT, and completion of EDUC 350 and EDUC 364 are required for entrance into CSUSM's Multiple Subject Credential Program. For more information about credential programs, please contact the College of Education. In Option 3 students take their Liberal Studies Subject Matter Preparation courses with their credential courses.

The Liberal Studies Program offers three options: Option 1, Interdisciplinary Studies (ISO); Option 2, Liberal Studies (LSO); and Option 3, the College of Arts and Sciences/ College of Education Integrated Bachelor of Arts and Multiple/CLAD Subject Credential Curriculum.

BACHELOR OF ARTS IN LIBERAL STUDIES

	Units
Lower-Division	58-62
Upper-Division	33-39
Electives	23-33
<i>Total Units Required</i>	<i>124</i>

Students must complete a minimum of 30 units in residence at CSU San Marcos. A minimum of 40 major or elective upper-division units are required for graduation. The Liberal Studies major fulfills CSU San Marcos General Education requirements for a baccalaureate degree.

All lower- and upper-division courses counted toward the major (Option 1,2, and 3) must be completed with a grade of C (2.0) or higher. In addition, students in ISO (Option 1) must obtain a grade of B (3.0) or higher in each of the ten Area of Concentration courses. ISO (Option 1) students who receive less than a B (3.0) in an Area of Concentration course must repeat the course until receiving at least a B (3.0), or may substitute another course from the same Area of Concentration and obtain a B (3.0) or higher in that course.

Completion of a final portfolio with a passing grade is a graduation requirement of the Liberal Studies major, and is also required for the MSAT waiver. Students must meet with their special field advisor (Options 2 and 3), or their Liberal Studies advisor (Option 1), after filing for graduation to arrange their portfolio assessment process. Students are expected to be familiar with all requirements at the time they sign up for the major.

Lower-Division Requirements (58-62 Units)

All three options have the same lower-division requirements, which are divided into five areas and include The San Marcos Experience (General Education) courses. Transfer students may fulfill some lower-division requirements with upper-division courses. All students must consult the approved course list or the Liberal Studies advisor.

Course Requirements

Area A. Basic Skills (9 units)

	Units
Oral Communication	3
Written Communication	3
Critical Thinking	3

Area B. Math and Science (15-16 units)

	Units
Biology	3
Earth Science	3
Physical Sciences	3
Science lab	0-1
Mathematics	6

Area C. Humanities (18-21 units)

	Units
Introduction to Literature	3
World Civilization	6
Critical Art	3
Studio Art	3
Advanced Composition	0-3
Intermediate Foreign Language	3

Area D. Social Science (12 units)

	Units
Introduction to Social Sciences	6
American Institutions	6

Area E. Health, Physical Education (4 units)

	Units
	4

Option 1: Interdisciplinary Studies (ISO)

A liberal arts major with interdisciplinary areas of concentration (Culture, Community, or Science and Society). This option builds upon different approaches and dynamic connections across the sciences, the social sciences, and the arts and humanities, and provides specific possibilities for interdisciplinary thematic integration. Examples of thematic integration might include the study of gender, race, or power; African American, Chicano, or Latin American Studies; Border Studies; and Science and Society.

The ISO also lays the basis for obtaining a teaching credential in California. Students take at least six courses from faculty in the Liberal Studies Program, plus courses throughout the College of Arts and Sciences.

The ISO has three areas of concentration: Culture, Community, and Science and Society.

Areas of Concentration

CULTURE. Focus is on how social reality and scientific inquiry shape culture, and vice versa. What is culture? What makes up culture? How is culture generated? Who produces culture? Culture is more than the arts; it is also the daily lived experience of ordinary people, including their customs, beliefs, morals, traditions and behaviors. Many of the courses in this area have to do with stimulating students to reflect upon aspects of North American culture that are taken as a given, providing analytical and critical tools to understand gender or race, for example. A number of courses provide a cultural context in the broadest sense, whether it is our understanding of biological evolution, how culture shapes politics, how economics

creates a material basis for culture, or the role of mass communications in culture. There are also courses on the specific cultures of nations, world regions, or ethnic groups. The list of approved courses is updated annually. The list below is a sample of courses that may fit in this category. See the Liberal Studies advisors for the current pre-approved list:

ANTH 301, 325, 330

BIOL 338

COMM 330, 435, 450

CS 303

ECON 306, 445

FMST 300

HIST 308, 323, 327, 332, 334, 336, 337, 338, 341, 343, 345, 348, 352, 355, 356, 384

ID 302, 304, 360

LING 303, 340, 371, 451

LTWR 310, 320, 410, 420, 450

MATH 304

MUSC 321, 323, 324, 421, 422, 422S, 423, 424, 426, 427, 428

PHIL 320, 330, 350

PSCI 391, 392, 472

SOC 305, 312, 315, 351

TA 300, 320, 323, 324, 410

VPA 320, 420

VSAR 321, 322, 325, 326, 420

WMST 450

COMMUNITY. Focus is on how communities, groups and places are defined or constructed throughout the world, with special attention to the multicultural and multiethnic reality of the Americas. How do we define community? What are the dynamics of various communities? Who is "us," who is "them," who is "the other"? How does the environment shape our communities, and what forces shape the environment? What is the role of science and the arts in defining or constructing communities? How do social movements grow within communities and transform social reality? Why do nations or social classes enter into conflict, wars and revolutions? How do the various scales of social reality - local, regional, national, or global communities - intersect with each other? The list of approved courses is updated annually. The list below is a sample of courses that may fit in this category. See the Liberal Studies advisors for the current pre-approved list:

ANTH 310, 315, 370

BIOL 336

COMM 320, 440, 470

ECON 305, 308

GEOG 340, 450, 450S

HIST 325, 326, 331, 335, 340, 347, 350, 353, 363, 375, 379, 385, 388, 471

ID 301, 305, 306, 370, 410

MATH 308

MUSC 425, 425S

PSCI 305, 321, 336, 337, 338, 339, 340, 360, 394, 445

SOC 306, 311, 313, 341, 353

TA 325, 326, 327, 420

VSAR 320, 323

WMST 301

SCIENCE AND SOCIETY. Focus is on the complex, worldwide interactions between science, technology, culture and society. How can we understand science and technology as tools to liberate human labor, and as instruments of destruction or domination? What skills or knowledge are necessary for society to produce or to control science and technology? How is the dynamic, technological environment transforming science, society, and the arts? What does the technological development of rich countries have to do with the situation in poor countries? How have technology and science transformed money and power?

The list of approved courses is updated annually. The list below is a sample of courses that may fit in this category. See the Liberal Studies advisors for the current pre-approved list:

ANTH 302

BIOL 305, 311, 339

CHEM 311, 312, 313

COMM 360, 460

CS 301

HIST 319, 339, 346, 364, 388, 390

ID 380, 350A

LBST 360, 361

LTWR 336

MATH 303, 330

MUSC 302, 303, 304, 419

PHIL 340

PHYS 342

PSCI 363, 393

PSYC 300, 330, 346, 360

SOC 310, 312, 314, 316, 318, 324, 335, 419, 420, 423, 424

TA 303

VSAR 301, 302, 303, 404, 405, 419, 422, 423

WMST 424

Note: The courses in the three areas of concentration are not solely or exclusively about Culture, Community, or Science and Society, or narrowly about the issues and questions outlined above; but they are connected to them, and will lead students to think critically about Culture, Community, or Science and Society within a larger conceptual framework. All Area of Concentration courses employ interdisciplinary approaches and methodologies. See the Liberal Studies advisors for the current Area of Concentration course lists.

GUIDELINES FOR COURSE DISTRIBUTION AMONG AREAS OF CONCENTRATION

- Students in the Interdisciplinary Studies Option (ISO) choose five courses (15 units) in their focus Area of Concentration, three courses (9 units) in a first supporting area, and two courses (6 units) in a second supporting area. (Note that courses may have prerequisites.) Area of Concentration course lists will be updated annually before the start of the fall semester. See the Liberal Studies advisors for the current list of courses

for each Area of Concentration.

- In the focus Area of Concentration (5 courses), students must take a minimum of one course in the social sciences, one course in the humanities, and one course in science/ mathematics.
- In the first supporting area (3 courses), students may take no more than two social science courses, two humanities courses, or two science and mathematics.
- In the second supporting area (2 courses), any courses from the three Area of Concentration lists may be used.
- Three of the ten Area of Concentration courses must be taught by Liberal Studies Program faculty.
- Students are encouraged to include at least one BB, one CC, and one DD course from the Area of Concentration lists in order to satisfy upper-division General Education requirements for a baccalaureate degree.

The Area of Concentration courses include several classes taught in Spanish. Students wishing a bilingual emphasis should consult the Liberal Studies Department Chair.

Bilingual Track. Plans are under way to offer a bilingual track, which will include LING 451, and one content course in Spanish in each of the three areas of concentration.

**Upper-Division Requirements
Interdisciplinary Studies Option 1**
(39 Units)

	Units
LBST 301 Required Interdisciplinary Studies Option gateway course	3
LING 371	3
GEOG 301	3
Area of Concentration (30 units) Focus Area: Culture, Community, or Science and Society	15
First Supporting Area	9
Second Supporting Area	6

- Consult faculty advisor of your focus area regarding course selection.
- When selecting Area of Concentration courses, students are encouraged to include at least one BB, one CC, and one DD course in order to satisfy upper-division General Education requirements for a baccalaureate degree.
- Students must also include one course from the pre-approved list for American Ethnic and Multicultural Studies.
- Students are responsible for any prerequisites for courses in the areas of concentration. Plan ahead and check the catalog for details.

Option 2: Liberal Studies (LSO)

A liberal arts major with a disciplinary or interdisciplinary Special Field. This option builds on the General Education program [for the features of The San Marcos Experience, see page J-18] and its global perspective to provide a flexible route to an undergraduate degree. It also lays the basis for obtaining a teaching credential in California. Students take at least two courses in the Liberal Studies Program, plus courses throughout the College of Arts and Sciences.

**Upper-Division Requirements
Liberal Studies Option**
(33-39 Units)

	Units
Multicultural Education One upper-division ethnic/ multicultural studies course	3
International Education One lower- or upper-division Global Awareness course (study of Africa, Asia, Latin America or the Middle East) in addition to GEOG 301. May simultane- ously fulfill other requirements.	0-3
LING 300 or LING 371	3
GEOG 301	3
Science General Education Upper-division General Education course in the sciences	3
Mathematics/Computer Science General Education Upper-division General Education course in mathematics or computer science	3
Humanities General Education Upper-division General Education course in the humanities; may simultaneously fulfill other requirements.	0-3

Social Science General Education	3	III, and a deaf culture course. Students may transfer a deaf culture course from an accredited institution of higher education, or may take LING 304 at CSUSM.	different aspects of culture, such as religion, medicine, kinship, and governance, integrate to support social structure and functioning. Informed self-reflection and critical analysis of one's own world view assumptions and cultural belief system are fundamental objectives of the anthropological method.
Upper-division General Education course in the social sciences			
Social Science	3	Six units of intermediate II or higher level American Sign Language (Other than the coursework required for the University Foreign Language Requirement, see prerequisites above	PACKAGE I
Any upper-division course in the social sciences or LBST 301			THE ANTHROPOLOGICAL PERSPECTIVE
Special Field	12	LING 371 (the Cultural Project of the course must be completed on the Deaf culture)	Lower-division (3 Units)
Consult faculty advisor of your special field before selecting special field courses.			Units
		LING 304 (Prerequisite ASL level III; recommended prerequisite LING 371	ANTH 200
A special field is a collection of courses (at least 12 units) that fulfills the State of California requirement for depth of study within a multiple subject preparation program. Special Field coursework may be double counted toward a minor; an official declaration of a minor must be submitted to Registration and Records. In conjunction with the Special Field Coursework, graduating seniors prepare a final portfolio--see the Special Field Advisor (advisors are designated below for each Special Field) for detailed portfolio guidelines. Portfolios are assessed on a Pass/No Pass basis. Completion of the portfolio with a Pass is a graduation requirement for the Liberal Studies Option of the Liberal Studies major, and is also required for the MSAT waiver.		Upper-division (12 Units)	
		<i>Total Units</i>	Choose three from the following courses
	12	Because Special Field courses may not be used to fulfill any other degree requirements, and LING 371 is required in the ASL Special Field, students choosing this Special Field must satisfy the Liberal Studies general linguistics requirement with LING 300 or LING 400.	ANTH 301 ANTH 325
		ANTHROPOLOGY	ANTH 302 ANTH 330
		Advisor: Bonnie Bade, Ph.D.	ANTH 310 ANTH 370
		Craven Hall 6125	ANTH 315 ANTH 498
		Anthropology employs a comparative and holistic approach in the examination and analysis of human phenomena. Using the anthropological perspective, ideas and behavior are examined in relation to their ecological, economic, social, political, cultural, and ideological contexts. Cross-cultural comparison, the cornerstone of anthropology, provides insight to the diverse ways that people interact with their environments and each other. The anthropological perspective seeks to understand connections and inter-relations between human ideas and behavior. Key to the anthropological approach is understanding how	Choose one from the following courses
			ID 302 SOC 320
			ID 371 SOC 333
			GEOG 450 SOC 341
			HIST 337 SOC 343
			LTWR 510 SOC 345
			PSYC 341 SOC 347
			SOC 305 SOC 421
			SOC 309 SOC 429
			SOC 311
			<i>Total Units</i>
			12
			PACKAGE II
			MEDICAL ANTHROPOLOGY
			Upper-division (12 Units)
			Units
			Choose two from the following courses:
			ANTH 301
			ANTH 302
			ANTH 499
AMERICAN SIGN LANGUAGE			
Interim Advisor: Vivienne Bennett, Ph.D.			
Craven Hall 6121			
Prerequisites: Completion of American Sign Language (ASL) levels I, II, and III coursework: Elementary Signing I and II, and Intermediate Signing I (not offered at CSUSM, must be transferred from an accredited institution of higher education). The CSUSM graduation requirement for Foreign Language is satisfied with ASL levels I, II, and			

Choose two from the following courses:

BIOL 347	SOC 424
PSYC 432	SOC 425
PSYC 352	SOC 429
PSYC 356	SOC 521
SOC 309	SOC 523
SOC 421	SOC 527
SOC 422	

Total Units 12

ARTS AND EDUCATION
Advisor: Merryl Goldberg, Ed.D.
Craven Hall 6126

The Arts and Education special field is designed for students who wish to pursue a career in education. The primary emphasis of this special field is on developing a more thorough understanding of the arts of the world (music, theater, visual arts) and integrating the arts into the K-12 classroom. This special field is especially desirable for students planning to enter the credential program in the College of Education. Special field coursework may be double counted towards a minor in Visual and Performing Arts; an official declaration of minor must be submitted to Admissions and Records.

Upper-division (12 units)

Units

VPA 311 3

One of the following 3
VSAR 302
MUSC 302

Two of the following 6
MUSC 480
TA 480
VSAR 480

Total Units 12

ARTS AND TECHNOLOGY
Advisor: Bill Bradbury, D.M.A.
Craven Hall 6118

The Special Field in Arts and Technology will provide the student with valuable experience in computer-based music, video and visual arts. This special field is of practical value in many areas; successful students will have skills in computer graphics, multimedia, video production, digital audio recording, MIDI technology and/or web design. Special field coursework may be double counted towards a minor in Visual and Performing Arts; an official declaration of minor must be submitted to Admissions and Records.

Upper-division (12 units)

Units

Choose four from the following courses: 12

MUSC 302
MUSC 402
VSAR 302
VSAR 303
VSAR 304
VSAR 403
VSAR 404
VSAR 405
VSAR 422
VSAR 440

Total Units 12

CHILD DEVELOPMENT
Advisor: Robert E.L. Roberts, Ph.D.
Craven Hall 6101

Child development is the interdisciplinary study of growth and development during childhood and adolescence. This field uses perspectives from biology, psychology, and sociology to examine the complex interplay of body, mind, and environment in shaping developmental processes and outcomes for children and youth. The purpose of this approach is to promote a holistic understanding of child development by surveying the subject matter from several complementary and interdependent perspectives.

Upper-division (12 Units)

Units

PSYC 330 3

Choose one from the following courses 3
BIOL 321
BIOL 327

Choose one from the following courses 3
PSYC 332
PSYC 334
PSYC 360
PSYC 432

Choose one from the following courses 3

SOC 303
SOC 315
SOC 317
SOC 319
SOC 413

Total Units 12



COMMUNICATION

Advisor: Bud Morris, Ph.D.
Craven Hall 6208

Communication is the study of how messages are produced and received across a wide range of contexts. This involves thinking about the nature of communication, its varied forms and uses, and its multiple effects within and across societies and cultures. In studying communication, students learn how significantly communication influences their personal and professional lives in each of several roles, including those of organizational actor, consumer, cultural representative, and citizen.

Upper-division (12 Units)

Choose three from the following courses

- | | |
|----------|-----------|
| COMM 330 | COMM 437 |
| COMM 360 | COMM 440 |
| COMM 435 | COMM 450A |

Choose one from the following courses

- LING 371
- LING 303
- COMM 335

Total Units

Units

12

COMPUTER SCIENCE

Advisor: Rochelle L. Boehning, Ph.D.
University Hall 212

Computer Science is basically the study of problem solving on computers. We utilize the power of computers in the problem solving process while dealing with the constraints of computers. The program stresses analysis and design experiences with substantial laboratory work.

Lower-division (8 Units)

CS 111

Choose one from the following courses

- CS 211
- CS 231

Upper-division (10 Units)

Choose two from the following courses:

- CS 301*
- CS 311
- CS 331
- CS 351
- CS 441
- CS 464
- CS 543
- CS 571

Total Units

Units

4

4

Units

6

14

*CS 301: Computer Mastery is not applicable to the special field if it is taken to fulfill the CSUSM Upper Division Math/Science General Education (BB) requirement.

Note: Any one interested in this special field should at least pass CS 111 in his or her junior year.

ETHNIC AND MULTICULTURAL STUDIES

Advisor: Leonel Maldonado, Ph.D.
Craven Hall 6141

The Ethnic and Multicultural Special Field is designed on a student-by-student basis in one-on-one meetings with the designated advisor. The coursework is selected to match the student's needs. For example, the coursework might focus on African-American issues, Mexican-American issues, Asian-American issues, Native-American issues or other subfields such as ethnic literature and music, or politics and ethnicity, ethnic group interaction and relations.

GEOGRAPHY

Advisor: Aníbal Yáñez-Chávez, Ph.D.
Craven Hall 6129

Geography is the discipline that links the study of human societies and natural environments through a spatial approach. As such, it is a field of synthesis, of understanding interrelationships. The Geography Special Field focuses on the study of cities and regions, and on the study of the dynamic relationships between people and the environments that support them. It includes analysis and explanation of distinctive patterns, processes, and landscapes, and why things are spatially distributed the way they are. A Special Field in Geography is of immediate practical value to students as citizens, consumers, travelers, voters, and job-seekers. Specifically, besides strengthening cross-cultural understanding, it provides knowledge and skills applicable to careers in education (elementary and secondary level social science teaching), business (market research, international trade, manufacturing, retailing) and government (local, state or federal planning and environmental agencies). The Special Field in Geography may also offer students the opportunity for course-related field experiences and exposure to GIS (Geographic Information Systems) technology.

PACKAGE I

URBAN AND REGIONAL GEOGRAPHY

Upper-division (12 Units)

Units

Choose the four following courses:

GEOG 320
GEOG 325
GEOG 340C
GEOG 450

Total Units 12

PACKAGE II

GEOGRAPHY AND THE ENVIRONMENT

Upper-division (12 Units)

Units

Choose four from the following courses:

GEOG 320
GEOG 450 or GEOG 450S
ANTH 370
BIOL 336 or BIOL 338
or BIOL 339

Total Units 12

HISTORY

Advisor(s): History Department
Craven Hall, First Floor

History is the study and interpretation of the past, but historians are vitally concerned with the present and the future. The study of history links students across time to human experience throughout the entire world so that they can better understand both the world and their in it at the present moment. The study of history teaches students to weigh evidence, to think critically and strategically, and to read empathetically and creatively. Because history is discipline links the humanities with the social sciences, history offers students a

broad analytic framework through which to understand the world.

Upper-division (12 Units)

Units

Four upper-division courses 12

HUMAN DEVELOPMENT

Advisor: Robert E.L. Roberts, Ph.D.
Craven Hall 6101

Human development is the interdisciplinary study of human growth and development throughout the lifespan. This field uses perspectives from biology, psychology, and sociology to explore the complex interplay of body, mind, and environment in shaping developmental processes and outcomes. The purpose of this approach is to promote a holistic understanding of human development by surveying the subject matter from several complementary and interdependent perspectives.

Upper-division (12 Units)

Units

Choose one from the following courses: 3

BIOL 321
BIOL 322
BIOL 323
BIOL 325
BIOL 327

Choose one from the following courses: 3

PSYC 330 PSYC 356
PSYC 332 PSYC 360
PSYC 334 PSYC 432

Choose one from the following courses: 3

SOC 303
SOC 307
SOC 309
SOC 315
SOC 413

Choose one course from any of the disciplines above 3

Total Units 12

LATIN AMERICAN STUDIES

Advisor: Vivienne Bennett, Ph.D.
Craven Hall 6121

Latin American Studies is the interdisciplinary study of the Latin American region, including its culture, history, economic, and political development. The Latin American Studies Special Field at CSUSM also includes the study of Latin America's impact on the United States through migration, culture, and economic integration. Latin American Studies is a useful special field for students who may teach or work in bilingual and/or bicultural programs.

Upper-division (12 Units)

Units

Choose two from the following courses: 6

ANTH 325	ID 302
GEOG 340C	ID 306
GEOG 450	ID 350*
GEOG 450S	ID 360*
HIST 350	ID 370 *
HIST 351	ID 450
HIST 352	ID 450S
HIST 353	PSCI 338
HIST 354	PSCI 348**
HIST 356	PSCI 361
HIST 359	PSCI 362***
HIST 471	SOC 345
ID 301	

*Only counts when entire course content focuses on Latin America or on Latino issues in the United States.
**Only counts when entire course content focuses on a Latin American or Caribbean nation.
***Only counts when entire course content focuses on Latin America.

Choose two from the following courses: 6

LTWR 400^	SPAN 422S
LTWR 410 ^^	SPAN 423
LTWR 420#	SPAN 450A
MUSC 390	SPAN 450B###
MUSC 422	SPAN 450C###
MUSC 422S	SPAN 521
MUSC 425	SPAN 522
MUSC 425S	SPAN 523
SPAN 315	SPAN 524
SPAN 350B	SPAN 540
SPAN 370	SPAN 542
SPAN 400A	SPAN 543
SPAN 400B	SPAN 544
SPAN 400C	SPAN 545
SPAN 400D	SPAN 546
SPAN 410 ##	SPAN 552
SPAN 412	TA 320
SPAN 412S	TA 325
SPAN 415	TA 327
SPAN 422	TA 420
SPAN 525	VSAR 323
SPAN 526	VSAR 325

Total Units 12

^Only counts when entire course content focuses on Latin American or Latino author.
 ^^Only counts when entire course content focuses on Latin American/Latino literature.
 #Only counts when entire course content focuses on comparative Latin America.
 ##Only sections 410A, B, D, E, F, G, H, I, J, L, N, O, P, T, U, and X.
 ###Only counts when entire course content Only counts when entire course has Latin American/Latino focus.

LIFE SCIENCE

Advisor: Thomas Wahlund, Ph.D.
 Science Hall 313A

Life science includes studies of macromolecules, cells, organisms, genetics, evolution, and ecosystems. Chemistry serves as the foundation for understanding the composition of living things and the processes that make life possible. Using our own species as an example, this special field provides a broad understanding of living systems, their components, needs, and histories. Because science inquires into the workings of the natural world, students should take advantage of opportunities to explore this world in the laboratory and field. The lower-division core in Liberal Studies requires three science courses with at least one lab experience. The Life Science Special Field requires at least four additional courses (12 or more units) beyond the lower-division core, at least 6 units of which must be taken at the upper-division level.

Course Requirements of the Life Science Special Field

The following courses are required in addition to the LDGE (Life science, physical science, and earth science) and UDCG BB requirements. Although either GES 102 or BIOL 211 may be taken to fulfill the LDGE life science requirement, BIOL 211 is recommended for students in the Life Science Special Field. The required chemistry course should be taken before BIOL 211.

Lower-division (5 Units):

CHEM 150	Units
	5

Upper-division (9 Units)

Choose three from the following courses:	Units
	9
BIOL 321	BIOL 338
BIOL 327	BIOL 339
BIOL 328	

LINGUISTICS

Interim Advisor: Vivienne Bennett, Ph.D.

Craven Hall 6121

A primary focus of the Linguistics Special Field at CSUSM is the study of the social and cultural use of language, and linguistic processing and cognition. Linguistics is a field which empirically studies language. It examines how languages are structured, including the sound systems of languages, the organization of sentences, classifications of words, and the formation of meaning within context. Linguists also analyze how language is acquired both in infants and adults. The special field in linguistics is designed to introduce the student to the general fields of linguistics and to the interdisciplinary investigation of language.

Upper-division (12 Units)

LING 300	Units
	3
Choose one from the following courses:	3
LING 371	
SPAN 317	

Choose one from the following courses:

LING 450	3
LING 451	

Choose one from the following courses: 3

COMM 330
COMM 333
COMM 450

Total Units 12

Students choosing Linguistics for a Special Field must satisfy the general Linguistics requirement with LING 400.

MATHEMATICS
Advisor: Tejinder Neelon, Ph.D.
Craven Hall 6306

The Mathematics Special Field builds on the mathematics required for the Liberal Studies lower-division core to provide depth in exposure to the power, beauty, and utility of mathematical thought. In studying mathematics, students develop the ability to explore, to conjecture, and to reason logically, as well as the ability to use effectively a variety of mathematical methods to solve problems. As a result, students are better prepared to teach according to the new standards called for at the elementary and middle school level, or to enter careers in government or private industry.

Twelve (12) units of Mathematics are required for the special field. These 12 units are in addition to the 6 units of Mathematics required for the Liberal Studies Lower Division Core. (For the lower-division 6 units of Mathematics, MATH 210 and 212 are recommended for future teachers.)

PACKAGE A

Lower-division (6 Units)	Units
MATH 160	3
MATH 162	3
(MATH 260 may be substituted for MATH 160 or 162)	

Upper-division (6 Units) Units

Choose two from the following courses: 6

MATH 330	MATH 410
MATH 350	MATH 440
MATH 360	MATH 464
MATH 362	MATH 470
MATH 370	MATH 472
MATH 372	MATH 474
MATH 374	MATH 480

Total Units 12

PACKAGE B

Lower-division (3 Units) Units

MATH 160 3
(MATH 260 may be substituted for MATH 160)

Upper-division (9 Units) Units

Chose three from the following courses: 9

MATH 330	MATH 410
MATH 350	MATH 440
MATH 360	MATH 464
MATH 362	MATH 470
MATH 370	MATH 472
MATH 372	MATH 474
MATH 374	MATH 480

PHYSICAL SCIENCE
Advisor: Paul Jasien, Ph.D.
Craven 6236

Physical Science is the study of matter and energy at both molecular and macroscopic levels. It encompasses the disciplines of Chemistry, Physics, and some aspects of the Geosciences. In studying Physical Science students will learn and apply various models to explain how the natural world works. Since science is a hands-on endeavor, students in this area are encouraged to gain laboratory experience.

This field is a good starting point for students seeking a supplementary authorization to teach middle school science in the State of California. The State requirements can be met while obtaining the Liberal Studies degree, by judiciously choosing lower- and upper-division electives to accompany their Special Field courses.

Lower-division (8-9 Units) Units

CHEM 150	5
PHYS 101* or 201	4
PHYS 102* or 202*	4

Upper-division (6 Units) Units

Choose two from the following courses: 6

CHEM 311	CHEM 400
CHEM 312	CHEM 408
CHEM 313	PHYS 342
CHEM 314	PHYS 408

Total Units 14-15

The above courses are in addition to the Lower-division General Education (life science, physical science, earth sciences) and Upper-division General Education BB requirements.

*Course has prerequisites

POLITICAL SCIENCE
Advisor: M. Kent Bolton, Ph.D.
Craven Hall 6110

Political science is the study of government, individual, and institutional behavior in the public sector; relations among nation-states and non-state actors; and theories of politics and decision making. The program emphasizes empirical versus normative political science, written and oral communication, computer literacy, qualitative and quantitative research methods, as

well as critical analysis of complex political relations in both domestic and global contexts. Political science addresses the fundamental issues confronting modern society—war, inequality, poverty and development, the environment—and seeks to evaluate the processes, policies, relationships, and theories that have been devised to deal with them.

Upper-division (12 Units)

	Units
Choose two from the following courses:	6
PSCI 301 PSCI 401	
PSCI 305 PSCI 413	
Choose two from the following courses:	6
PSCI 331 PSCI 370	
PSCI 350 PSCI 445	
<i>Total Units</i>	<i>12</i>

PSYCHOLOGY

Advisor: Sharon Hamill, Ph.D.
University Hall 304

Psychology is the scientific study of behavior in both humans and animals. The program emphasizes psychology as an empirical science with skills and competencies that include writing, research, critical analysis of complex problems, knowledge of human behavior and characteristics, increased self-understanding and insight into the behavior of others. Psychology covers a wide range of topics in behavior; from the inner workings of the brain and body to the ways social environments exert their influences. In an emerging global community, multicultural perspectives are seen as integral elements.

The special field in Psychology prepares students for careers in a variety of psychology-related settings including mental health agencies, hospitals, teaching institutions, business, industry, and public organizations.

Breadth Option:

Prerequisite: PSYC 100

Upper-division (12 Units)

	Units
Choose one course from each of the 4 major areas :	12
Biological PSYC 360	
Cognitive PSYC 362	
Social PSYC 332	
Developmental PSYC 330	
	or PSYC 356
<i>Total Units</i>	<i>12</i>

Depth Option:

Prerequisites: PSYC 100, 220 and 230
Upper-division (12 Units)

Units
Choose any three lecture courses AND choose one lab course (must complete the corresponding pre-requisite course from above list prior to enrolling in the lab course):

Lecture courses:

Biological PSYC 360	
Cognitive PSYC 362	
Social PSYC 332	
Developmental PSYC 330	
	or PSYC 356

Lab courses:

Biological PSYC 390	
	PSYC 391
	PSYC 392
	PSYC 394
Cognitive PSYC 393	
Social PSYC 396	
Developmental PSYC 395	

Transfer students with upper-division Psychology courses from other institutions may petition to include up to two (6 units) upper-division Psychology transfer courses for the Psychology Special Field. Students should initiate the petition

process as early as possible in order to properly plan for course work and portfolio projects.

SOCIOLOGY: SOCIAL INSTITUTIONS AND HUMAN DEVELOPMENT
Advisor: Linda Shaw, Ph.D.
Craven Hall 6113

Sociology is the study of human societies, the institutions, organizations, and groups that compose them, and of the way individuals and groups in society relate to one another. A sociological perspective is vital to an understanding of contemporary social issues such as inequality based in race, class, and gender as well as the areas of youth and aging, families, crime and juvenile delinquency, and health and mental health. A special field in Sociology: Social Institutions and Human Development is highly relevant to careers in education, human services, social work, criminal justice, and health related professions.

Upper-division (12 Units)

	Units
Choose four from the following courses:	12
SOC 301 SOC 317	
SOC 303 SOC 319	
SOC 305 SOC 321	
SOC 307 SOC 323	
SOC 309 SOC 413	
SOC 315	
<i>Total Units</i>	<i>12</i>

VISUAL AND PERFORMING ARTS
Advisor: Bill Bradbury, D.M.A.
Craven Hall 6118

The Visual and Performing Arts Special Field affords students the opportunity to pursue an interest in the arts (music, theater, video, visual arts) as part of a broader general education in Liberal Studies.

Courses may be selected from a single discipline (e.g., an emphasis in music) or a combination of disciplines (e.g., music/theater or computer art/video). Special field coursework may be double counted towards a minor in Visual and Performing Arts; an official declaration of minor must be submitted to Admissions and Records.

Upper-division (12 units)

Choose four courses in MUSC, TA, VSAR, and/or VPA (with approval of VPA Special Field Advisor) 12 units

Option 3: Integrated Curriculum Option (ICO) - Bachelor of Arts in Liberal Studies and Multiple Subject Credential/CLAD (91units)

The Integrated Curriculum Option provides students with a Bachelor of Arts Degree with a major in Liberal Studies from the College of Arts and Sciences and a Multiple Subject Credential/CLAD from the College of Education. The Integrated Curriculum Option consists of six themed semesters of upper-division and post-baccalaureate courses which are taken in both colleges.

Important Notes:

1. As part of the ICO course work, students select a four-course Special Field as in the Liberal Studies Option of the Liberal Studies major.
2. In order to receive the Bachelor of Arts degree and the Multiple Subject Credential within three years of attaining upper-division status, students must complete all courses each semester as described in the curriculum below.
3. Students will be expected to take the 9-13 units of required core courses each semester as a cohort.

The core courses are offered in blocks each semester, and students must take all courses in the block.

4. It is anticipated that in semesters 1-5, students will take one or more of the required non-core courses in addition to the required core courses. While the required non-core courses may be taken out of sequence (i.e. during additional semesters or during winter and summer terms), it is urged that whenever possible they be taken in the semester indicated.
5. Students who drop out of the Integrated Bachelor of Arts and Multiple Subject Credential Curriculum Program may count up to 13 units of COE courses from this Program as electives towards their B.A./B.S.
6. All Liberal Studies majors must be sure to satisfy Upper-division General Education requirements in their selection of courses (one BB, one CC, and one DD course). Special Field courses may not be used to satisfy this requirement.
7. Students seeking a BCLAD (bilingual credential) will be required to register for EDML 553 and 554 at times to be determined in consultation with COE faculty advisors in bilingual education.

Course Sequence

SEMESTER 1: SCHOOL AND A MULTICULTURAL SOCIETY

– CORE REQUIREMENTS

EDUC 350B	3
EDUC 364B	3
American Ethnic and Multicultural Studies Course (one of the following will be designated)	3
ID 340	SOC 311
ID 371	SOC 313
WMST 301	

– NON-CORE REQUIREMENTS

Computer Competency Requirement, or if not needed, another unmet requirement	3
Any UEDGE Area CC Course	3

Total units in Semester 1 15

SEMESTER 2: LANGUAGE, CULTURE AND LEARNING

– CORE REQUIREMENTS

EDMS 526B	3
EDMS 540B	4
Linguistics Course (one of the following will be designated)	3
LING 371	
LING 400	
LING 450	

– NON-CORE REQUIREMENTS

Art course	
VPA 380D	3

One Culture Course chosen from the Culture Area of Concentration course list in the Interdisciplinary Studies Option (see page K-40) 3

Total units in Semester 2 15

SEMESTER 3: MATHEMATICS

– CORE REQUIREMENTS

EDMS 527B	2
EDMS 543B	3
Designated* Math course	3
EDMS 560B	3

– NON-CORE REQUIREMENTS

Special Field Course #1	3
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Total units in Semester 3 14



SEMESTER 4: SCIENCE

– *NON-CORE REQUIREMENTS*

– *CORE REQUIREMENTS*

	Units
EDMS 545	3
Designated* Science course	3
Science and Society Course (one of the following will be designated)	3
LBST 361	
LBST 362	

Special Field Course #4	3
GEOG 301	3
<i>Total units in Semester 5</i>	<i>15</i>

SEMESTER 6: PROFESSIONAL PRACTICE

– *CORE REQUIREMENTS*

– *NON-CORE REQUIREMENTS*

Special Field Course #2	3
Special Field Course #3	3
<i>Total units in Semester 4</i>	<i>15</i>

	Units
EDML 552B	3
EDMS 562B	9
LBST 575 or EDMS 575B	1

– *Non-Core Requirements*

There are no required non-core courses for Semester 6

SEMESTER 5: COMMUNITY

– *CORE REQUIREMENTS*

	Units
EDMS 544B	3
One Community Course - A designated* Inter- disciplinary Humanities or Social Science course. See the Community Area of Concentration in the Interdisciplinary Studies Option (page K-41)	3

Total units in Semester 6 *13*

**See advisors for the list of designated courses*

EDMS 561B	3
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LITERATURE AND WRITING STUDIES

Office: Craven Hall, Sixth Floor

Telephone: (760) 750-4147

Department Chair:

Yuan Yuan, Ph.D.

Faculty:

Oliver Berghof, Ph.D.

Duff Brenna, M.A.

Susie Lan Cassel, Ph.D.

Renée R. Curry, Ph.D.

Dawn M. Formo, Ph.D.

Kenneth P. Mendoza, Ph.D.

Yuan Yuan, Ph.D.

Programs Offered:

- Bachelor of Arts in Literature and Writing Studies
- Single Subject Preparation Program in English (Waiver)
- Minor in Literature and Writing Studies
- Master of Arts in Literature and Writing Studies

The Literature and Writing Studies Program replaces the former English major and provides three emphases: literature, writing, and a "waiver" option for students who wish to apply for a secondary teaching credential or who prefer a major that more equally balances literature and writing than the first two options. Students continuing in prior catalogs may pick up a list of old and new course equivalencies at the Department Chair's office or in the Department's Administrative Coordinator's office. In all major options, LTWR 300A and 300B sequence are required and students are urged to enroll in LTWR 300A the semester they begin work on their major. However, in no case may they take LTWR 300B before LTWR 300A. Three- and four-hundred level courses may be taken with junior standing (or with permission of the instructor) and in

any order, although higher-numbered courses may presume more background than those with lower numbers. Five-hundred level courses are graduate level that may also be taken by advanced undergraduates.

Literature Emphasis

In keeping with the multicultural and interdisciplinary philosophy of CSU San Marcos' Mission Statement, the literature major provides students with a global literary experience which may be best described under the general rubric of "cultural studies." In its broadest sense, this term implies that literature and other cultural artifacts are studied as reflections and expressions of the cultures that value them. Studied in this context, literature is viewed not only in terms of its form and style, its relation to previous traditions and genres, its rhetoric and language, but in terms of its use in constructing social and cultural identities. Cultural studies may involve comparative approaches between "high" and "low" forms of expression; it may concern itself with new kinds of media (film, video, computers); it usually involves issues of social status, gender, ethnicity, and national demographics; it often examines relationships between various kinds of cultural documents (historical records, archives, newspapers, novels).

From a pedagogical point of view, cultural studies stresses cross-cultural contexts of a given literature, exploring not only the dominant literary tradition of a culture, but also the indigenous, marginalized or unrecognized literatures within that tradition. These "literatures" take multiple forms: oral tale, comic book, folk narrative, national epic, or avant garde poem.

The design of the literature emphasis reflects many recent movements in literary criticism and research. Our approach is not a method of teaching or scholarship so much as an attitude towards literariness such that writer, text, and audience are linked in a dynamic, on-going dialogue. Studying literature within cultural studies means going outside of the traditional canon, drawing upon research in related fields of history, sociology, visual arts, ethnomusicology, media theory and political science. At the same time, the major encourages greater concern for the material and formal nature of artifacts that, until recently, were thought to be transparent vehicles for self-evident ideas. To study a literary text implies that we address the "cultural text" as well.

Writing Emphasis

The writing emphasis provides directed experience in writing expository prose, fiction, poetry for various media or professional audiences, as well as intensive work in practical criticism. An integral feature of the program places emphasis on student interaction through peer-groups. Students who are developing themselves as writers will find courses regularly offered in various genres to develop their own style and breadth of experience in composing and criticism. Those interested in the teaching of writing will find the major a context both for writing extensively and for dealing critically with the act of written composition.

Special Conditions for the Bachelor of Arts in Literature and Writing Studies

1. Courses taken to satisfy General Education requirements may not be used to satisfy the requirements in the major.

2. Credit/No Credit grading may be counted toward the major only for LTWR 495 and 499.
3. Elective units in literature and writing studies may be used toward a minor in another discipline. Consult the appropriate program coordinator or faculty advisor for further information.
4. Course substitutions must be approved by petition to the Literature and Writing Studies Curriculum Committee.

**BACHELOR OF ARTS
IN LITERATURE AND
WRITING STUDIES**

	Units
General Education	48
Core Requirements	15
Emphasis Requirements	18
General Electives	43
<i>Total Required</i>	<i>124</i>

Core Requirements for the Degree
Core (15 units)

	Units
LTWR 300A	3
LTWR 300B	3
LTWR 460	3

Select a sequence of the following:

LTWR 308A	3
LTWR 308B	3
or	
LTWR 309A	3
LTWR 309B	3

Total Units *15*

**Literature Studies Emphasis
Requirements**
(18 units)

“Religious and Spiritual Foundations” **Units**

Select one of the following courses:	3
LTWR 310	
LTWR 320	

“Forms, Genres, and Authors”
Select one of the following courses: **3**

LTWR 330	LTWR 334	
LTWR 331	LTWR 336	
LTWR 332	LTWR 400	
LTWR 333	LTWR 402	

“Global Literatures”
Select one of the following courses: **3**

LTWR 410	
LTWR 420	

“Periods, Movements, and Interdisciplinary Studies”
Select one of the following courses: **3**

LTWR 430	
LTWR 441	
LTWR 450	

Six (6) units of approved upper-division electives in Literature and Writing Studies **6**

Total Units *18*

Writing Studies Emphasis Requirements
(18 units)

“Writing Workshops”

	Units
Select one of the following courses:	3
LTWR 315	LTWR 318
LTWR 316	LTWR 325
LTWR 317	LTWR 545

“Forms, Genres, and Authors”

Select one of the following courses:	3
LTWR 305	LTWR 334
LTWR 330	LTWR 336
LTWR 331	LTWR 400
LTWR 332	LTWR 402
LTWR 333	LTWR 405

“Writing Theory and Pedagogy”

Select two of the following courses:	6
LTWR 465	LTWR 525
LTWR 475	LTWR 485

Six (6) units of approved upper-division electives in Literature and Writing Studies 6

Total Units 18

SINGLE-SUBJECT PREPARATION PROGRAM IN ENGLISH (WAIVER)

The Single-Subject Preparation Program in English (Waiver) is an approved program designed for students who want to teach English in secondary schools in California. By taking a prescribed sequence of courses, which generally consists of 18 units beyond the major, students can earn the Literature and Writing Studies degree (either Literature or Writing track) and be “waived” out of two very difficult tests. These tests, the Praxis and the SSAT, fulfill the subject matter competency requirement in English and are required by the State of California. Upon completion of this single-subject preparation program, students may apply to a single-subject credential program (through a College of Education) where they complete a fifth year of professional training to be certified as a high school or junior high school teacher in English in California.

The Single-Subject Preparation Program in English is also available to students who have already graduated from CSUSM or elsewhere. In this case, students should make an appointment with the advisor for a transcript evaluation.

MINOR IN LITERATURE AND WRITING STUDIES

Students in many vocational fields often find that special skills in reading or analysis as well as writing are useful in their future work. The minor is intended to develop those skills. The minor consists of fifteen (15) units of upper-division course work and three (3) units of lower, preparatory course work. Courses taken for Credit/No Credit grading may not apply to the minor.

Lower-division (3 Units)	Units
LTWR 100	3
Upper-division (15 units)	
LTWR 300A	3
LTWR 300B	3
Nine (9) units of approved electives in Literature and Writing Studies	9
<i>Total Units</i>	18

MASTER OF ARTS IN LITERATURE AND WRITING STUDIES

The CSUSM Literature and Writing Studies Department offers graduate study leading to the Master of Arts degree. Our mission is to prepare students for study at the doctoral level, teaching at the elementary and community college level, and occupations in the private and the public sectors that require a high degree of literacy. Rather than offering an emphasis in literature or writing studies at the master's level, our program aims to balance and integrate these activities. Since we read writing and write reading, we see no purpose in studying one without the other. To do so would deny the integrity of our discipline.

In the same spirit, we wish to merge the roles of teacher and student. Because most of our students are, or eventually will be, teachers, our intention is to provide a graduate teaching apprenticeship within the program that begins with classes, seminars, and close faculty mentoring, leading to internships, tutoring, and teaching assistantships. Qualified students may tutor students with writing problems or teach general education writing courses. Internships may also be arranged at community colleges or the California Center for the Arts. We view students in this program as our colleagues in the educational enterprise.

Admission Requirements and Application

Admission to the program requires a bachelor's degree, preferably in English, literature and writing studies, comparative literature, rhetoric, linguistics, or a comparable program.

Applicants with these and any other bachelor's degree must have taken at least five upper-division courses of 3-4 units each in literature or writing from an accredited university. Admission decisions will be influenced by the breadth, appropriateness and grades of undergraduate course work. Applicants must have maintained a grade-point average of not less than 3.0 in the last 60 units of undergraduate study, and a 3.3 average in upper-division literature and writing courses.

All applicants must take the Graduate Record Examination (GRE). It is unlikely that students will be admitted with combined verbal and quantitative scores of less than 1000, or a verbal score of less than 500.

All applicants, regardless of citizenship, who do not possess a bachelor's degree from a post-secondary institution where English is the principal language must take the combined Test of English as a Foreign Language (TOEFL) and the Test of Written English (TWE) examination. A minimum score of 550 on the TOEFL and a minimum of 4.5 on the TWE are required.

A complete application consists of:

Application Materials sent directly to the Admission Office of CSUSM

- A completed application form for admission to CSUSM
- Application fee
- One set of official transcripts from all colleges and universities attended, with indication of graduation

Application Materials sent directly to the LTWR Department (see address below)

- A completed application form for admission to the Master Program in Literature and Writing Studies sent to the department.
- One set of official transcripts from all colleges and universities attended, with indication of graduation
- A 750-1000 word "statement of purpose." This statement should address educational and career goals, relevant educational background and research experience
- A writing sample. This should be an analytical essay of no less than five pages on a literary topic. The essay should not be written for the purpose of admission, but instead provide a sample of the applicant's best undergraduate work.
- GRE (and TOEFL/TWE, if appropriate) score reports
- Three letters of recommendation (except undergraduate LTWR majors at CSUSM, who should indicate on the application form with whom they have taken courses as undergraduates).



Application Materials (consisting of a Departmental Application Form, a California State University Admissions booklet and a leaflet describing the program) are available upon request from the LTWR Department Secretary at: California State University, San Marcos, San Marcos, CA 92096-0001

Application Deadlines are as follows:

- November 1st for admission in Spring Semester.
- April 1st for admission in Fall Semester.
- The application fee must be submitted to the Admissions Office by these deadlines.
- Applicants will be notified of their status of application by January 1 for Spring admission and by June 1 for Fall admission.

Application may be made for Fall or Spring admission, but class and seminar scheduling (as well as available spaces) favor Fall applicants.

Degree Requirements

The program requires 30 semester hours (10 courses, one of which is thesis work) of study, at least 24 of which are from the graduate level (500 and 600 series). Required courses are LTWR 525, 600, and 601 which should be taken as early as possible. Please note that LTWR 525 requires the instructor's consent. LTWR 602 is required of graduate students who teach in the GEW program. Enrollment in LTWR 602 requires the instructor's consent and a passing score all three sections of the "GEW Teaching" exam. A substantial thesis, approved and directed by the student's thesis committee, is also required of all students. The grade-point average must be at least 3.0 to graduate.

The typical full-time student will complete the program in four semesters. Units earned not in residence at CSUSM are limited to 6, and must be approved by the Graduate Studies Advisor(s). A maximum of 9 units of courses graded credit/no credit (usually internships, independent study, and thesis work will be accepted in the program. Finally, students must satisfy a foreign language requirement. . Each candidate, with the approval of the graduate advisor, may fulfill the foreign language requirement in one of several ways: (1) by passing the Modern Language Association Reading Examination, (2) by passing a local examination administered by the university's foreign language assessment process, (3) by completing one three-unit upper-division foreign language literature course with readings in the original language with a grade of C (2.0) or better,

(4) by passing an examination to be determined by the Literature and Writing graduate advisor if the chosen language is not one taught in a program at CSUSM, (5) by successfully completing LTWR 611.

Graduate and Teaching Assistantships

Graduate Assistantships in the University Writing Center may be available to qualified students. Apply for internships and paid positions with the Writing Center Director. Teaching Assistantships will be determined on the basis of a T.A. test (the "GEW Teaching Exam"), which is administered in April and November. Qualified students are those who have completed a successful internship in the Writing Center, who exhibit exemplary work in LTWR 525 and who successfully complete the GEW Teaching Exam; contact the GEW coordinator for details and the exact date of this exam. Students may also wish to consult the University's Office of Financial Aid for alternative means of financial support.

Non-paid graduate teaching internships at Palomar College and MiraCosta College are also available through the Literature and Writing Department.

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MATHEMATICS

Office: Craven Hall, Sixth Floor

Program Director:

Carolyn R. Mahoney, Ph.D.

Telephone: (760) 750-4089

Faculty:

Wayne Aitken, Ph.D.

David Chien, Ph.D.

Ricardo D. Fierro, Ph.D.

Farshid Hajir, Ph.D.

Linda Holt, Ph.D.

Carolyn R. Mahoney, Ph.D.

Tejinder Neelon, Ph.D.

Amber Puha, Ph.D.

K. Brooks Reid, Ph.D.

Programs Offered:

- Bachelor of Science in Mathematics
- Single Subject Preparation Program in Mathematics
- Minor in Mathematics
- Master of Science in Mathematics

Mathematical science offers to the undergraduate and graduate students a rich mix of pure and modern applied courses. Common to these offerings are the power, beauty, and utility of mathematical thought.

Mathematics is a living, vital subject with a long, distinguished tradition.

A student who selects the mathematics major will develop the ability to explore, to conjecture, and to reason logically, as well as the ability to use effectively a variety of mathematical methods to solve problems.

Opportunities for graduates in mathematics are as diverse as they are plentiful. Mathematicians are sought by universities, governmental agencies, and private industry and they contribute in direct and fundamental ways to human activity. Mathematics majors can pursue a career in the teaching of mathematics at the college, high school, or middle school levels. Medical schools, law schools, graduate schools, and employers in fields such as economics, accounting, management sciences, mathematics, natural sciences, social sciences, computer science, statistics, and communication seek graduates in mathematics. The degree program at CSU San Marcos prepares its mathematics majors to meet any of these challenges.

Preparation

High school students are encouraged to take four years of English, four years of mathematics including trigonometry, one year of biological science, and one year of physical science. Courses in calculus, physics, and computer programming are recommended. Experience in clear, concise, careful writing is valuable for success in all courses.

Transfer Credits

A maximum of thirteen (13) lower-division units in mathematics may be applied toward the lower-division calculus requirement for the mathematics major. These units must be for courses which appropriately match the description of this catalog for MATH 160, 162, and 260.

A maximum of seventeen (17) lower-division units may be transferred towards the non-mathematics supporting courses for the major in mathematics. Up to eight (8) of these units may be for courses which appropriately match the description of this catalog for CS 111 and PHYS 201.

Up to nine (9) units may be for courses which appropriately match the description of this catalog for other courses listed in the non-mathematics supporting course requirement. The Office of Admissions should be consulted to ascertain the campus' articulation agreements with the local community colleges.

Special Requirements for the Bachelor of Science and Minor in Mathematics

Students may not use a mathematics course for the required three (3) units of upper-division General Education, area B (Mathematical or Natural Sciences).

Each course submitted toward either the mathematics major or minor must be completed with a grade of C (2.0) or better. No more than a total of three (3) units of either MATH 498 or MATH 499 may be applied. No more than three (3) units of MATH 495 may be applied. For the major, a minimum of fifteen (15) upper-division units in mathematics must have been completed at CSU San Marcos. For the minor, a minimum of six (6) upper-division units in mathematics must have been completed at CSU San Marcos.

BACHELOR OF SCIENCE IN MATHEMATICS

	Units
General Education	48
Preparation for the Major*	27-30
Major Requirements	34
General Electives	12-15
Total Required	124

*Some courses which count towards the Preparation for the Major will also count towards the lower-division General Education requirement in Mathematics.

Preparation for the Major

Lower-Division Calculus Requirement (13 units)	
	Units
MATH 160	5
MATH 162	4
MATH 260	4
Non-Mathematics Supporting Course Requirements (14-17 units)	
CS 111 or equivalent	3-4
PHYS 201	4
and	
Choose two of the following courses:	
BIOL 210 or 211	4
CHEM 150	5
PHYS 202	4
CS 211 or equivalent	3-4

Major Requirements

Upper-division (34 units)	
	Units
MATH 350	3
MATH 360	3
MATH 372** or 472 or 474	3
MATH 374	3
MATH 440	4
MATH 470	3
MATH 490, or 491 or approved 500 level course	3

**MATH 522, 523, and 540 can also be used to satisfy this requirement.

Twelve (12) elective units chosen from the following courses: 12

MATH 330
MATH 362
MATH 372***
Any mathematics course numbered 410 through 599.

***If not used to satisfy a requirement above.

SINGLE-SUBJECT PREPARATION PROGRAM IN MATHEMATICS

Students interested in teaching mathematics at the secondary level may wish to complete the Single-Subject Preparation Program (SSPP) in Mathematics. A prospective teacher qualifies for the Single Subject Teaching Credential in Mathematics by completing the SSPP and earning a Bachelor's degree. Students interested in the SSPP should consult either their mathematics advisor or the mathematics SSPP Coordinator as soon as possible to obtain detailed information on GPA requirements and the portfolio of work which must be compiled, as well as advice on how to best coordinate completion of the SSPP and the Bachelor of Science in Mathematics.

Coursework Requirements:

MATH 160	5
MATH 162	4
MATH 260	4
MATH 330	3
MATH 350	3
MATH 360	3
MATH 374	3
MATH 410	3
MATH 440	4
MATH 470	3

Choose one of the following courses: 3
MATH 262 MATH 362

Choose one of the following courses: 3
MATH 372 MATH 522

Choose one of the following courses: 3
MATH 464/CS 464
MATH 480

Choose one of the following courses: 3
MATH 472 MATH 474

Any mathematics course numbered 410 through 599 approved for the mathematical science majors, and not already used to satisfy a requirement above 3

EDUC 350 3

Total Units 53

MINOR IN MATHEMATICS

Lower-division (9 units) Units
MATH 160 5
MATH 162 4

Upper-division (15 units) Units
MATH 350 or 370 3
MATH 374^ 3

^MATH 260 (4 units) may be substituted for MATH 374 if MATH 260 is not used as an upper-division elective.

Nine (9) elective units chosen from the following courses+: 9
MATH 330 MATH 372
MATH 360 MATH 362
Any mathematics course numbered 410 through 599.

+MATH 260 (4 units) may be substituted for an upper-division elective if MATH 260 is not substituted for MATH 374.

Total Units 24-25

MASTER OF SCIENCE IN MATHEMATICS

The Master of Science Program in mathematics at CSUSM is designed to provide breadth of exposure in the mathematics and to enhance the intellectual attitudes and the analytic skills needed for comprehension, appreciation, creation, and application of mathematics. There is a deliberate, applicable emphasis in the courses in the program, and many courses are delivered in a computerized environment. The program will provide students opportunity for computer enhancement of many mathematical concepts, for learning connections between various areas of mathematics, for developing good mathematical communication skills, for developing independent learning skills, and for cooperative group problem solving.

Graduates will be prepared for a wide range of career opportunities, as the skills and attitudes fostered in the program are in demand in academe, business, government, and industry. In particular, graduates will be well-prepared to teach in secondary schools, community colleges, and some four-year colleges. They will be prepared to enter a doctoral program in mathematics or mathematics education. The computational and applicable orientation of the program will offer graduates significant training for careers as mathematical scientists in business, government, and industry. There will be opportunity, on a limited scale, for students to serve as student assistants for the undergraduate mathematics program or to assist faculty in their scholarly activity.

Admission

Admission to the program requires an undergraduate major in mathematics or related field (such as computer science), which includes the equivalent of MATH 360 and MATH 470. Admission also requires a 2.5 grade point average in the last sixty (60) units attempted at the undergraduate level, and a 3.0 grade point average in the last thirty (30) units of the undergraduate major. Students who have deficiencies in admission requirements that can be removed by specified additional preparation may be admitted with conditionally classified graduate status, but the units earned to remove these deficiencies may not be used towards the CSUSM Master of Science.

All applicants, regardless of citizenship, who do not possess a Bachelor's Degree from a post-secondary institution or a country where English is the principal language, must take the combined Test of English as a Foreign Language (TOEFL) and the Test of Written English (TWE) examination. A minimum score of 550 on the TOEFL and a minimum 4.5 on the TWE is required. Applications, including verification of English proficiency, should be received in the department by April 15. However, applications will be accepted as long as space allows. An application consists of:

- A completed application for University admission;
- A request for entry to the M.S. program via letter, which also includes an expository description of the student's educational preparation and career aspirations;

- Two sets of official transcripts from all colleges and universities attended and official indication of graduation (if not in English, certified English translations must be included); and
- At least two letters of recommendation from individuals who can comment on the mathematical capabilities of the applicant.

Degree Requirements

The Master of Science in Mathematics requires thirty-six (36) units of coursework with an overall of at least 3.0 grade point average. At least twenty-seven (27) of these units must be at the 500-level or above, and any 400-level courses must be approved by the department. No course, or equivalent, which is required for a Bachelor of Science in Mathematics at CSUSM can be used to satisfy these requirements. At least thirty (30) units towards the degree must be earned at CSUSM; any units not earned in residence at CSUSM must be approved by the department. All requirements should be satisfied within seven years of initial acceptance into the program.

Two options are available:

- Thirty (30) units of non-thesis coursework, six (6) units of MATH 699, and a Masters Thesis, or
- Thirty-six (36) units of non-thesis coursework [at least fifteen (15) units of which comprise a concentration in some specialty within mathematics], a masters project, and a comprehensive examination.

Continuation

Students must earn a 3.0 overall average in graduate coursework in order to graduate. Student are limited to a total of three (3) C's in their graduate coursework. Any student earning four (4) or more C's will be dropped from the program. Advancement to Candidacy

Upon the completion of at least nine (9) units towards the degree, but prior to the completion of eighteen (18) units towards the degree, the student should meet with the program advisor in order to develop a formal program of study for the degree. This formal program is an agreement between the student and the University on the specific plan to be followed in order to fulfill the requirements for the degree. If the student opts for the thesis, then it is the responsibility of the student to obtain the permission of a tenured or tenure-track mathematics faculty member to act as the student's thesis advisor and chair of the student's thesis committee. The student and thesis advisor should recommend to the program advisor the names of two other tenured or tenure-track mathematics faculty to fill out the thesis committee. The plan of study should include courses remaining to be taken, the names of three faculty composing the thesis committee (if opting for the thesis), and the general subject of the thesis or project.

The student is advanced to candidacy for the Master of Science degree upon completion of this plan and completion of eighteen (18) units towards the degree with at least a 3.0 grade point average. Changes in the study plan must be approved by the program advisor and the student's thesis advisor. No student may enroll for MATH 699, initiate a project, or sit for a comprehensive exam before being advanced to candidacy.

Thesis or Project Requirements

A thesis is the written result of a systematic study of a significant mathematical problem. It defines, develops, and executes an investigation into a chosen problem area. The motivation, approach, and results of the investigation are communicated in a clear and logical fashion; it is grammatically correct, logically organized, and mathematically sound. The finished product evidences originality, critical and independent thinking, and thorough documentation. The thesis must be planned, organized, executed, and completed while enrolled in the masters program. It must be a coherent, substantial document, appropriate for six (6) units of graduate coursework. Midway during the thesis work, the student shall make an oral presentation to his or her thesis committee on progress to date.

Guidelines for preparing and officially submitting the thesis can be obtained from the Program Director's Office. The final copies of the thesis are to be in the hands of the members of the thesis committee at least two weeks prior to a required oral, public defense of the thesis which must be held at least one week prior to the end of a regular semester.

A project is the written result of a comprehensive analysis of a particular mathematical problem encountered during the coursework of the student. The composite elements are as for a thesis, but the scope is more narrow; much like a term paper. The faculty member in the course in which the problem arose will act as the project advisor, and the project must be approved by the program advisor. Examples of projects are expository reports on one or more existing papers in the literature on some topic, the design and implementation of a solution algorithm for a specific problem, or modest research efforts on a suitable topic. A project must be completed at least four weeks prior to the end of a regular semester. An oral presentation of the project to the faculty of the department is required. The presentation should summarize the analysis in a clear and concise manner.



Both the thesis and the project must demonstrate mathematical skills and general scholarship at a level expected of a professional mathematician. Mathematical skills can be demonstrated by the development of new mathematics, critical evaluation of existing mathematics, application of existing mathematics to non-mathematical contexts, or development of mathematical models. General scholarship refers to understanding, organizing, and communicating knowledge relevant to the undertaking in a conventionally acceptable format.

Comprehensive Exam

A comprehensive examination is a written examination administered during the final semester of the student. It is intended as a culminating experience for the masters degree, and it is used to assess the student's ability to integrate his or her knowledge of mathematics, to think critically and independently, and to demonstrate mastery of the coursework. The problems will reflect the coursework of the student, and the student's responses will be evaluated both on the basis of logical correctness as well as on written presentation. The examination will be offered as needed at most once each regular semester, at least four weeks prior to the end of the semester. Students intending to write the exam during a given semester must notify the program advisor before the end of the fourth week of that semester.

Graduation

A student planning to graduate at the end of a given regular semester must meet with the program advisor by the end of the student's previous regular semester in order to evaluate those plans. All pertinent requirements described above concerning courses, the thesis, the project, and the comprehensive exam must be evaluated during this meeting. Candidates for the degree who attain a grade point average (calculated on work at CSUSM only) of 3.75 or greater may, upon recommendation of the mathematics faculty, graduate with distinction.

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