

California State University, San Bernardino

2020-2021 Programs

DRAFT

(The official 2020-21 programs will be available in May 2020. The information in this *draft* version is subject to change. Additional programs might be added in the final version of the catalog.)

College of Arts and Letters

BA, Liberal Studies
Minor, Asian Studies
Minor, Latin American Studies

Department of Art

BA, Art
BA, Design Studies
BA, Studio Arts
Bachelor of Fine Arts (BFA)
BFA, Design

Master of Fine Arts (MFA)

Minor, Art History
Minor, Digital Arts
Minor, Film Studies
Minor, Multimedia Storytelling
Minor, Studio Art

Department of Communication Studies

BA, Communication

MA, Communication

Minor, Communication
Minor, Digital Filmmaking
Minor, Film Studies
Minor, Media Studies
Minor, Multimedia Storytelling
Minor, Relational and Organizational Communication
Minor, Strategic Communication

Department of English

BA, English

MA, English and Writing Studies

Minor, Border Studies
Minor, English
Minor, Film Studies
Minor, Linguistics
Minor, Multimedia Storytelling

Department of Music

BA, Music
Bachelor of Music

Minor, Alternative Styles of Music

Minor, Music Technology
Minor, Music

Department of Philosophy

BA, Philosophy

Minor, Law and Philosophy
Minor, Philosophical Logic
Minor, Philosophy, Policy, and Economics
Minor, Philosophy

Department of Theater Arts

BA, Theater Arts

Minor, Dance
Minor, Film Studies
Minor, Multimedia Storytelling
Minor, Theater Arts

Department of World Languages & Literature

BA, Arabic Language, Literature, and Culture
BA, French
BA, Spanish

MA, Spanish

Minor, Arabic
Minor, French
Minor, Japanese
Minor, Spanish
Minor, World Languages

Jack H. Brown College of Business and Public Administration

BA, Administration
Master of Business Administration (MBA)
Minor, Business Administration
Minor, International Business

Department of Accounting and Finance

MS, Accountancy
MS, Finance

Minor, Accounting
Minor, Finance
Minor, Real Estate

Department of Information and Decision Sciences

BS, Information Systems and Technology

MS, Information Systems and Technology

Minor, Business Analytics
Minor, Information Systems and Technology
Minor, Supply Chain Management

Department of Management

MS, Entrepreneurship and Innovation

Minor, Entrepreneurship
Minor, Human Resource Management
Minor, Management

Department of Marketing

Minor, Hospitality Management
Minor, Marketing
Minor, Sport and Entertainment Marketing

Department of Public Administration

Master of Public Administration (MPA)
Master of Social Work and Master of Public Administration (MSW, MPA)

Minor, Nonprofit Management
Minor, Public Administration

College of Education

Department of Educational Leadership and Technology

BA, Career and Technical Studies
BS, Career and Technical Studies

Credential, Administrative Services Preliminary
Credential, Administrative Services Preliminary (Internship)
Credential, Administrative Services Professional
Credential, Designated Subject in Adult Education
Credential, Designated Subjects Career and Technical Education
Credential, Supervision and Coordination of Designated Subjects Program

MA, Career and Technical Education
MA, Educational Administration
MA, Instructional Design Technology

Minor, Career and Technical Education

Department of Special Education, Rehabilitation, and Counseling

Credential, Internship Education Specialist: Early Childhood Specialist Education with EL Authorization
Credential, Internship Education Specialist: Mild/Moderate Disabilities with EL Authorization
Credential, Internship Education Specialist: Moderate/Severe Disabilities with EL Authorization
Credential, Preliminary Education Specialist: Early Childhood Specialist Education with EL Authorization

Credential, Preliminary Education Specialist: Mild/Moderate Disabilities with EL Authorization
Credential, Preliminary Education Specialist: Moderate/Severe Disabilities with EL Authorization
Credential, Pupil Personnel Services: School Counseling
Credential, Pupil Personnel Services: School Psychology

MA, Rehabilitation Counseling
MS, Counseling
MS, Special Education

Department of Teacher Education and Foundations

Credential, Adapted Physical Education Added Authorization
Credential, Multiple Subjects
Credential, Single Subject – Intern Track
Credential, Single Subject – Student Teaching Track

MA, Education
MA, Reading and Literacy Option
MA, Teaching English to Speakers of Other Languages (TESOL)
MS, Science, Technology, Engineering and Mathematics Education Option

Minor, Gender and Sexuality Studies

College of Natural Science

Department of Biology

BS, Bioinformatics
BS, Biology

MS, Biology

Minor, Biology

Department of Chemistry and Biochemistry

BA, Chemistry
BS, Bioinformatics
BS, Chemistry

MS, Environmental Sciences

Minor, Chemistry

Department of Geological Sciences

BA, Geology
BS, Geology

MS, Environmental Sciences
MS, Geology

Minor, Geology

Department of Health Science and Human Ecology

BS, Environmental Health Science
BS, Health Service Administration
BS, Nutritional Science and Dietetics
BS, Public Health

Master of Public Health (MPH)
MS, Health Services Administration

Department of Kinesiology

BS, Kinesiology
BS, Kinesiology – Allied Health Professions Concentration

Minor, Kinesiology

Department of Mathematics

BA, Mathematics
BA, Mathematics – Teaching Track
BS, Mathematics
MA, Mathematics
Master of Arts in Teaching – Mathematics

Minor, Mathematics

Department of Nursing

BS, Nursing
BS, Nursing – RN to BSN

MS, Nursing

Department of Physics

BA, Physics
BS, Physics

Minor, Applied Physics
Minor, Astronomy
Minor, Physics

School of Computer Science and Engineering

BA, Computer Systems
BS, Bioinformatics
BS, Computer Engineering
BS, Computer Science

MS, Computer Science

Minor, Computer Science

College of Social and Behavioral Science

BA, Social Science – Multidisciplinary Track

BA, Social Science, Arts, and Humanities

MA, National Security Studies
MA, Social Sciences and Globalization
MS, National Cyber Security Studies

Minor, Aerospace Studies
Minor, Ethnic Studies
Minor, Ethnic Studies – Chicana/o/x, Latina/o/x Studies
Minor, Islamic and Middle Eastern Studies

Department of Anthropology

BA, Anthropology

MA, Applied Archaeology

Minor, Anthropology

Department of Criminal Justice

BA, Criminal Justice
BS, Intelligence and Crime Analysis

MA, Criminal Justice

Minor, Criminal Justice

Department of Economics

BA, Economics
BA, Political Economy

Minor, Economics
Minor, Philosophy, Policy, and Economics
Minor, Political Economics

Department of Geography and Environmental Studies

BA, Environmental Studies
BA, Geography
BA, Global Studies

Minor, Environmental Studies
Minor, Geographic Information Science
Minor, Geography
Minor, Global Studies

Department of History

BA, History
BA, Public History

MA, History

Minor, History

Department of Political Science

BA, Political Science

Minor, Philosophy, Policy, and Economics

Minor, Political Science

Minor, Pre-Law

Department of Psychology

BA, Child Development

BA, Psychology

MA, Child Development

MA, Psychological Science

MS, Clinical/Counseling Psychology

MS, Industrial and Organization

Psychology

Minor, Psychology

School of Social Work

BA, Social Work

Master of Social Work and Master of Public Administration (MSW, MPA)

Master of Social Work (MSW)

Department of Sociology

BA, Sociology

Minor, Sociology

Graduate Studies

MA, Interdisciplinary Studies

Interdisciplinary Studies

BA, Special Major

Adapted Physical Education Added Authorization Credential

Basic Teaching Credentials

The CSU prepares teachers for positions in California as well as other states. It is in the student's best interest to be knowledgeable about credential or licensure requirements of the state in which they intend to teach.

For information on the added authorization, contact the Credential Office, CE-102, (909) 537-7401.

Admission to the Program

In addition to meeting the general requirements of the university for admission as a postbaccalaureate student, admission to the Added Authorization in Adapted Physical Education program requires the following:

1. A valid California teaching credential authorizing the teaching of physical education.
2. Students must have a cumulative GPA of a 2.67 or your last 90 units GPA of a 2.75 in order to be admitted to the APEAA Program.

Recommendation for the Added Authorization in Adapted Physical Education:

In addition to meeting the general requirements of the university for admission as a post baccalaureate student, admission to the Added Authorization in Adapted Physical Education requires one of the following:

1. Verification of subject matter competence by one of the following:
 - a. completion of an equivalent California-approved single subject matter preparation program in physical education verified in writing by authorized personnel;
 - b. original verification of a passing score on the CSET examination for Physical Education;
 - c. completion of an approved subject matter preparation program offered on this campus or an approved subject matter preparation program at another California campus, verified in writing by authorized personnel;
2. Documentation of a minimum of 100 hours of fieldwork experience in Adapted Physical Education in compliance with the Standards of the California Commission for Teacher Credentialing;
3. Completion of student teaching in adapted physical education and physical education at:
 - a. CSUSB or an equivalent California campus with an approved single subject matter adapted physical education preparation program verified in writing by authorized personnel, or

b. a California Public School verified in writing by authorized personnel with one year of demonstrated effective teaching in adapted physical education;

4. Completion of the final written exit examination and exit interview with the adapted physical education coordinator at CSUSB;

5. Consult the coordinator of adapted physical education for current information about this credential as pending state legislation may require curricular changes.

Requirements for Graduation

1. Completion of all coursework with a minimum grade point average of 3.0 ("B")
2. Completion of student teaching in adapted physical education and physical education at: a) CSUSB or an equivalent California campus with an approved single subject matter adapted physical education preparation program verified in writing by authorized personnel, or b) a California Public School verified in writing by authorized personnel with one year of demonstrated effective teaching in adapted physical education;
3. Completion of the final written exit examination and exit interview with the adapted physical education coordinator at CSUSB.

Credential Requirements (15 units)

KINE 3100	Introduction to Adapted Physical Activity	3
KINE 3300	Movement Skill Assessment for Individuals with Disabilities	3
KINE 3320	The Nature and Issues Concerning Individuals with Disabilities	3
KINE 3330	Applied Behavior Management	3
KINE 4900	Seminar in Physical Education and Adapted Physical Education	3
Total Units		15

Administrative Services Preliminary (Internship) Credential

The Administrative Services Preliminary Intern Program is a state approved program that qualifies graduates to serve in any administrative position in California Public Schools, TK-12. Students in the intern program must be currently hired as educational administrators. Upon completion of this program the students apply for the Administrative Services Preliminary Credential.

Admission to the Program

In addition to meeting the general requirements of the university for admission as a post-baccalaureate student, admission to the Administrative Services Preliminary (Internship) Credential program requires the following:

1. An application for admission to the program must be submitted;
2. A 3.0 ("B") grade point average overall in all courses;
3. Completion of or plan to satisfy the graduate entrance writing requirement;
4. Verification of completion of minimum of five years of full-time years of teaching, counseling, or other certified work;
5. A valid clear teaching, pupil personnel, library, or health services credential or full-time designated subject credential (with B.A.);
6. Successful completion of the California Basic Educational Skills Test (CBEST);
7. Submission of a 2-page essay from the provided prompt;
8. Student must be currently hired as a school administrator;
9. An internship contract signed between the student, the school district and the program;
10. Students must enroll in the intern course, EADM 6630, each semester they remain in the program and complete the program within two years;
11. Apply for the administrative services internship credential from the Commission for Teacher Credentialing.
12. Students who do not meet these criteria may be admitted as conditionally classified graduate students. Students admitted in this category may be changed to classified standing with approval of the College of Education.

Recommendation for the Credential

Recommendation to be recommended for the administrative services preliminary credential, a candidate must:

1. Successfully complete the regular program for the Preliminary Administrative Services Credential;
2. Be currently employed in an administrative position in a school district or county office of education.
3. Pass the new California Administrator Performance Assessment (CalAPA) which is required starting in Fall, 2019.
4. Obtain recommendation from program coordinator.

Credential Requirements (28 units)

EADM 6601	Educational Leadership and Ethics	3
EADM 6607	Culture, Equity, and Communication in Diverse Society	3
EADM 6610	Educational Supervision and Teacher Development	3
EADM 6613	Organizational Management and Human Resources	3
EADM 6619	Policy, Governance and Legal Aspects of Education	3
EADM 6622	Curriculum, Programs, and Assessment	4
EADM 6625	Organizational Management and Fiscal Resources	3
EADM 6630	Internship Fieldwork in Educational Administration I	3
EADM 6631	Internship Fieldwork in Educational Administration II	3
Total Units		28

Note: Students must see program coordinator/advisor for recommended sequence of program.

Culminating Experience (0 units)

Complete the Student Exit Assessments in all areas of the CAPEs

Complete Student Portfolio addressing the six areas of the CAPEs

Administrative Services Preliminary Credential

The Administrative Services Preliminary Credential Program is a state approved program that qualifies graduates to service in any administrative position in California Public Schools, TK-12. Students work toward mastery of the California Administrator Performance Expectations (CAPEs). Students are prepared to pass the new California Administrator Performance Assessment (CalAPA) which is required starting in Fall, 2019 for the credential.

Admission to the Program

In addition to meeting the general requirements of the university for admission as a postbaccalaureate student, admission to the Administrative Services Preliminary Credential Program requires the following:

1. An application for admission to the program must be submitted;
2. A 3.0 ("B") grade point overall average in all courses;
3. Completion of or plan to satisfy the graduate entrance writing requirement;
4. Verification of minimum of four years of full-time credentialed experience, school-related nursing, library service, and/or counseling experience.
5. A valid Clear California teaching, pupil personnel, health services, library credential, or full-time designated subject credential (with B.A.);
6. Successful completion of the California Basic Educational Skills Test (CBEST).
7. Submission of a 2-page essay from the provided prompt.

Students who do not meet these criteria may be admitted as conditionally classified graduate students. Students admitted in this category may be changed to classified standing with approval of the College of Education.

Recommendation for the Credential

To be eligible to be recommended for the credential, a candidate must:

1. Demonstrate mastery of the California Commission on Teacher Credentialing (CTC) California Administrator Performance Expectations (CAPES) as evidenced by student portfolio, coursework, and student exit assessments.
2. Successfully complete all program requirements;
3. Pass the new California Administrator Performance Assessment (CalAPA) which is required starting in Fall, 2019.
4. Obtain recommendation from program coordinator.

Credential Requirements (28 units)

EADM 6601	Educational Leadership and Ethics	3
EADM 6607	Culture, Equity, and Communication in Diverse Society	3
EADM 6610	Educational Supervision and Teacher Development	3
EADM 6613	Organizational Management and Human Resources	3
EADM 6619	Policy, Governance and Legal Aspects of Education	3

EADM 6622	Curriculum, Programs, and Assessment	4
EADM 6625	Organizational Management and Fiscal Resources	3
EADM 6620	Fieldwork in Educational Administration I	3
EADM 6621	Fieldwork in Educational Administration II	3
Culminating Experience		0
Total Units		28

Note: Students must see program coordinator/advisor for recommended sequence of program.

Culminating Experience (0 units)

Complete the Student Exit Assessments in all areas of the CAPEs.

Complete Student Portfolio addressing the six areas of the CAPEs

Administrative Services Professional Credential

The clear administrative services professional credential is a two year program. The program consists of professional development designed to address the six CPSEs, development of a Individualized Induction Plan, assessment, and a minimum of 40 hours of coaching with a certified coach each year.

Admission to the Program

In addition to the general requirements of the university for admission as a postbaccalaureate student, admission to the Professional Clear Administrative Services Credential program requires the following:

1. Application for admission to the program;
2. A valid Preliminary Administrative Services Credential;
3. Verification of current employment in an administrative position;
4. A 3.0 ("B") grade point average in all graduate work;
5. Verification of a Master's Degree in a related field;
6. An Individual Program Plan (IP) on file or in progress.

Recommendation for the Professional Credential

In order to be recommended for a credential, the student must have:

1. Two (2) years of full-time administrative experience in the public schools, or private schools or equivalent;
2. Completed all program requirements while employed in a full-time school/district administrative position.

Credential Requirements (16 units)

EADM 6681	Vision and Student Achievement	2
EADM 6682	Collaborative Culture of Teaching and Learning	2
EADM 6683	Resource Management of the Learning Institution	2
EADM 6684	Political, Legal, Cultural Context in Education	2
EADM 6685	Coaching and Assessment Practicum I	2
EADM 6686	Coaching and Assessment Practicum II	2
EADM 6687	Coaching and Assessment Practicum III	2
EADM 6688	Coaching and Assessment Practicum IV	2
Culminating Experience		0
Total Units		16

Culminating Experience (0 units)

Student Portfolio

Individual Induction Plan

Bachelor Arts in Administration

Requirements (72 units)

Total units required for graduation: 120

Students are encouraged to check that they have met the prerequisite requirements for each course in the Jack H. Brown College of Business and Public Administration in which they are planning to enroll. Prerequisite requirements listed for each course are strictly enforced.

Enrollment in 3000-, 4000- and 5000-level courses in the Jack H. Brown College of Business and Public Administration is restricted to students who have completed at least 60 semester units (i.e., have achieved junior standing). Course prerequisites are strictly enforced.

Students who do not meet the stated requirements may be disenrolled from the course(s).

Requirements for the B.A. in Administration

Lower-division core requirements (24)

ACCT 2110	Introductory Accounting I	3
ACCT 2120	Introductory Accounting II	3
ADMN 1500	Introduction to Administration	1.5
ADMN 2100	Applied Business Statistics	3
ECON 2201	Principles of Microeconomics	3
ECON 2202	Principles of Macroeconomics * Satisfies GE category D3	3
IST 1110	Introduction to Information Technology	1.5
MGMT 2300	Legal Environment of Organizations	3
Three units chosen from the following courses: * Satisfies GE category B4		3
MATH 1301	Modeling with Functions	
MATH 1401	Accelerated Preparation for Calculus	
MATH 1601	Modeling with Calculus	
MATH 2210	Calculus I	

Upper-division core requirements (30)

ENTR 3000	Entrepreneurship and Innovation	1.5
FIN 3001	Finance I	3
FIN 3002	Finance II	1.5
IST 3110	Management of Information Technology	3
MGMT 3020	Organizational Behavior	3
MGMT 3500	Applied Communication	3
MGMT 3900	Principles of Strategy	1.5
MKTG 3050	Marketing Principles	3
MKTG 3160	Introduction to Research Methods	1.5
PA 3150	Society, Business, & Global Governance * Satisfies GE category D4	3
PA 3050	Organizations in Multicultural and Diverse Societies	1.5
SCM 3040	Principles of Supply Chain Management	3
ADMN 4900	Administration Capstone	1.5

Concentration (18)

Students must satisfy the requirements of one of the concentrations listed below.

Total Units 72

Concentrations (18 units)

Accounting Concentration (18 units)

A grade of a "C-" or better is required for all Accounting concentration courses.

ACCT 3150	Accounting Information Systems and Business Ethics	3
ACCT 3470	Management Accounting and Ethics in Business	3
ACCT 3720	Intermediate Accounting I	3
ACCT 3730	Intermediate Accounting II	3
ACCT 4260	Introduction to Taxation	3
ACCT 4400	Financial Statement Auditing	3
Total Units		18

Business Analytics Concentration (18 units)

IST 2510	Big Data Analytics	3
IST 4510	Advanced Data Analytics	3
IST 4520	Data Mining	3
IST 3500	Problem Solving and Decision Making	3
IST 4120	Information Systems Planning and Policy	3
Three units chosen from the following:		3
IST 2210	Computer Networks and Security	
IST 2310	Applications Development	
IST 2410	Database Management for Business	
IST 2610	Cybersecurity	
IST 3050	Enterprise Resource Planning	
IST 3420	Systems Analysis and Design	
IST 4310	Web Technologies	
IST 4320	Advanced Applications Development	
IST 4410	Advanced Database Management and Information Assurance	
IST 5050	Advanced Enterprise Resource Planning	
IST 5150	Project Management	
IST 5915	Seminar in Information Systems and Technology	
IST 5930	Seminar in Information Systems and Technology	
IST 5951	Independent Study	
IST 5952	Independent Study	
IST 5953	Independent Study	
IST 5955	Independent Study	
ADMN 5753	Internship	
ADMN 5755	Internship	
MKTG 4160	Marketing Research	
Total Units		18

Entrepreneurship Concentration (18 units)

ENTR 4420	Small Business Management	3
ENTR 5430	Ideation and Creative Problem Solving	3
ENTR 5440	Developing the New Venture	3

ENTR 5450	Resources for the Entrepreneur	3
TA 3141	The Improvisational Mind	3
ENTR 5980	Reflective Essay	0
Three units chosen from the following:		3
ENTR 5155	Business Consulting	
ENTR 5260	Global Entrepreneurship	
ENTR 5410	Commercializing Entrepreneurial Innovation	
ENTR 5470	Managing a Growing Business	
ENTR 5490	Launching the Entrepreneurial Venture	
ENTR 5550	Entrepreneurship in Action: Corporate, Social and Family Business Approaches	
Any 4000 or 5000 level MGMT, HRM, or MKTG course as approved by the Entrepreneurship program advisor.		
All courses taken to satisfy the Entrepreneurship concentration requirements must be completed with a grade of "C" (2.0) or better, including the core course ENTR 3000.		
Total Units		18

Finance Concentration (18 units)

FIN 4300	Financial Theory and Practice	3
FIN 4320	Financial Institutions and Capital Market	3
FIN 4330	International Finance	3
FIN 4350	Investment Analysis	3
FIN 4590	Financial Case Studies	3
or FIN 5270	Financial Derivatives	
Three units chosen from the following:		3
FIN 3555	Business and Asian Culture	
FIN 3600	Financial Planning Process and Insurance	
FIN 3800	Principles of Real Estate	
FIN 4200	Entrepreneurial Finance	
FIN 4450	Financial Data Analytics	
FIN 4590	Financial Case Studies (If not taken previously)	
FIN 4600	Retirement Planning	
FIN 5230	Security Trading and Analysis	
FIN 5270	Financial Derivatives (If not taken previously)	
FIN 5460	Student Managed Investment Fund	
FIN 5850	Real Estate Finance	
FIN 5753	Finance Internship	
FIN 5755	Internship	
Total Units		18

Financial Planning Concentration (18 units)

FIN 3600	Financial Planning Process and Insurance	3
FIN 4300	Financial Theory and Practice	3
FIN 4600	Retirement Planning	3
ACCT 4260	Introduction to Taxation	3
FIN 4590	Financial Case Studies	3
or FIN 4350	Investment Analysis	
Three units chosen from the following:		3
FIN 3555	Business and Asian Culture	
FIN 3800	Principles of Real Estate	
FIN 4330	International Finance	
FIN 4350	Investment Analysis (If not taken previously)	

FIN 4450	Financial Data Analytics	
FIN 4590	Financial Case Studies (If not taken previously)	
FIN 5850	Real Estate Finance	
ACCT 5560	Estates and Gifts, Ethics and other Specialized Taxation Topics	
Total Units		18

Hospitality Management Concentration (18 units)

MKTG 5700	Introduction to Hospitality Industry	1.5
MKTG 5250	Sports, Entertainment, and Hospitality Marketing	3
MKTG 5720	Hotel Operations and Service Management	1.5
MKTG 5750	Hospitality Internship I	1.5
MKTG 5752	Hospitality Internship II	1.5
HRM 4550	Human Resources Management	3
Six units chosen from the following:		6
MKTG 4200	Marketing Communications	
MKTG 4300	Professional Selling and Sales Management	
MKTG 5730	Festival and Entertainment Management	
MKTG 5740	Tribal Gaming: Cultural and Political Context	
ACCT 3470	Management Accounting and Ethics in Business	
ENTR 5470	Managing a Growing Business	
HRM 4580	Employment Law	
MGMT 4520	Leadership and Followership	
Total Units		18

Human Resource Management Concentration (18 units)

HRM 4550	Human Resources Management	3
HRM 4560	Staffing	3
HRM 4570	Industrial and Labor Relations	3
HRM 4580	Employment Law	3
HRM 4600	Compensation and Performance	3
Three units chosen from the following:		3
HRM 4590	Human Resources Development	
HRM 4700	Strategic Human Resource Management	
HRM 5915	Contemporary Topics in Human Resources Management	
HRM 5930	Contemporary Topics in Human Resources Management	
ENTR 4420	Small Business Management	
MGMT 4520	Leadership and Followership	
ADMN 5753	Internship	
ADMN 5755	Internship	
Total Units		18

Note: Students concentrating in Human Resources Management may not also concentrate in Management.

Information Security Concentration (18 units)

IST 2210	Computer Networks and Security	3
IST 2610	Cybersecurity	3
IST 4120	Information Systems Planning and Policy	3

IST 4610	Cybersecurity Management	3
Six units chosen from the following:		6
IST 2310	Applications Development	
IST 4310	Web Technologies	
IST 4620	Penetration Testing and Ethical Hacking	
IST 5150	Project Management	
IST 5250	Incident Handling and Cyber Investigation	
IST 5915	Seminar in Information Systems and Technology	
IST 5930	Seminar in Information Systems and Technology	
IST 5951	Independent Study	
IST 5952	Independent Study	
IST 5953	Independent Study	
IST 5955	Independent Study	
ADMN 5753	Internship	
ADMN 5755	Internship	
Total Units		18

Information Systems and Technology Concentration (18 units)

IST 2210	Computer Networks and Security	3
IST 2410	Database Management for Business	3
IST 2610	Cybersecurity	3
IST 4120	Information Systems Planning and Policy	3
IST 4210	Advanced Computer Networks	3
Three units chosen from the following:		3
IST 2310	Applications Development	
IST 2510	Big Data Analytics	
IST 3420	Systems Analysis and Design	
IST 3500	Problem Solving and Decision Making	
IST 4310	Web Technologies	
IST 4320	Advanced Applications Development	
IST 4410	Advanced Database Management and Information Assurance	
IST 4510	Advanced Data Analytics	
IST 5150	Project Management	
IST 5915	Seminar in Information Systems and Technology	
IST 5930	Seminar in Information Systems and Technology	
IST 5951	Independent Study	
IST 5952	Independent Study	
IST 5953	Independent Study	
IST 5955	Independent Study	
ADMN 5753	Internship	
ADMN 5755	Internship	
Total Units		18

International Business Concentration (18 units)

MKTG 4700	International Marketing	3
MKTG 4760	Strategic Issues in International Business	3
MGMT 4050	Managing Across Borders	3
Three units of an approved foreign language. *		3
Six units chosen from one of the following three regional focus areas:		6

Asia Regional Focus Area:		
ANTH 3703R	Asian Cultures	
ANTH 3704R	Anthropology of the Middle East	
CAL 3750	Exploring the World of Islam through Literature	
FIN 3555	Business and Asian Culture	
HIST 4350	World War II in the Pacific	
CAL 3888	Asian Humanities in a Globalized World	
PHIL 3450	Asian Philosophy	
PSCI 3050	East Asian Politics	
PSCI 3080	Government and Politics of the Middle East	
SSCI 3000	Global Issues and Perspectives	
Up to six units of study abroad courses visiting countries in Asia.		
Any other Asia region focused course approved by the program director.		
Europe Regional Focus Area:		
HIST 5030	Europe Since 1945	
PSCI 3040	East European Political Systems	
PSCI 5900	Seminar in International Relations	
Up to six units of study abroad courses visiting countries in Europe.		
Any other Europe region focused course approved by the program director.		
Latin America Regional Focus Area:		
ANTH 3701R	Cultures of Mexico and Central America	
ANTH 3702R	Anthropology of South America	
HIST 4650	Modern Central America	
HIST 4660	Foreign Relations of Latin America	
HIST 4700	Modern Latin America	
Up to six units of study abroad courses visiting countries in Latin America.		
Any other Latin America region focused course approved by the program director.		
Total Units		18

* This program has a foreign language requirement. Students are required to take three units in a foreign language. Students may select courses in any of the following languages offered at CSUSB: Arabic, Chinese, French, Japanese, Korean, Portuguese, Spanish, American Sign Language, Cahuilla, Luiseño, and Serrano. Additional foreign languages may be approved by the Chair of the Department of Marketing. Courses must not be taught in English. Students wishing to take 3 units in a foreign language not offered at CSUSB may request approval from the Chair of the Department of Marketing."

Management Concentration (18 units)

MGMT 3350	Business, Ethics, and Society	3
MGMT 4050	Managing Across Borders	3
MGMT 4520	Leadership and Followership	3
MGMT 4910	Strategic Management	3
MGMT 5980	Baccalaureate Reflective Essay	0
Six units chosen from the following:		6
MGMT 3300	Legal Environment of Business	
MGMT 4020	Organizational Change and Disruptions	
MGMT 4030	Managing Negotiations	

MGMT 4040	Managing Technological Innovation	
MGMT 4500	Interpersonal Relationships at the Workplace	
MGMT 4590	Teams in Organizations	
MGMT 4920	Future of Work and Management	
MGMT 5915	Contemporary Topics in Management	
MGMT 5930	Contemporary Topics in Management	
MGMT 5951	Independent Study	
MGMT 5952	Independent Study	
MGMT 5953	Independent Study	
MGMT 5955	Independent Study	
ENTR 4420	Small Business Management	
HRM 4550	Human Resources Management	
ADMN 5753	Internship	
ADMN 5755	Internship	
ADMN 5910	Seminar in Administration	
ADMN 5915	Seminar in Administration	
ADMN 5920	Seminar in Administration	
ADMN 5930	Seminar in Administration	

In addition to the grade point average requirements stated in Program Requirements for a Bachelor's Degree, students must earn a grade of "C" (2.0) or better in all courses required to fulfill the Concentration in Management.

Total Units	18
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Note: Students concentrating in Management may not also concentrate in Human Resources Management.

Marketing Concentration (18 units)

MKTG 4100	Consumer Behavior	3
MKTG 4160	Marketing Research	3
MKTG 4200	Marketing Communications	3
MKTG 4300	Professional Selling and Sales Management	3
MKTG 4960	Strategic Marketing Planning	3

or MKTG 4760 Strategic Issues in International Business

Three units chosen from the following:	3
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MKTG 4460	Integrated Marketing Communications	
MKTG 4600	Retailing and Ecommerce	
MKTG 4700	International Marketing	
MKTG 4750	Digital Marketing	
MKTG 4760	Strategic Issues in International Business (If not taken above)	
MKTG 4960	Strategic Marketing Planning (If not taken above)	
MKTG 5160	Marketing Data Analytics	
MKTG 5250	Sports, Entertainment, and Hospitality Marketing	
MKTG 5600	Experiential Marketing	
MKTG 5730	Festival and Entertainment Management	
MKTG 5915	Seminar in Marketing	
MKTG 5930	Seminar in Marketing	
MKTG 5951	Independent Study	
MKTG 5952	Independent Study	
MKTG 5953	Independent Study	
MKTG 5955	Independent Study	
ADMN 5753	Internship	

ADMN 5755	Internship	
Total Units		18

Public Administration Concentration (18 units)

PA 3800	Introduction to Public Administration	3
PA 4620	Managing Human Resources in the Public Sector	3
PA 4630	Governmental Budgeting	3
PA 4700	Public Policy and Administration	3
Six units chosen from the following:		6
PA 3070	Public Relations in the Public Sector	
PA 5010	Administrative Leadership	
PA 5140	Nonprofit Management and Leadership	
PA 5150	Executive Nonprofit Leadership	
PA 5170	Nonprofit Fundraising and Grantwriting	
PA 5190	Managing Diversity in Organizations	
PA 5210	Urban Growth and Planning	
PA 5280	Intergovernmental Relations and Policy Networks	
PA 5570	Public Sector Labor Relations	
PA 5640	Local Public Administration	
PA 5730	Public Transportation Systems	
PA 5753	Internship in Public Administration	
PA 5755	Internship	
PA 5915	Special Topics in Public Administration	
PA 5900	Special Topics in Public Administration	
PA 5951	Independent Study	
PA 5952	Independent Study	
PA 5953	Independent Study	
PA 5955	Independent Study	

Total Units	18
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Real Estate Concentration (18 units)

FIN 3800	Principles of Real Estate	3
FIN 4800	Real Estate Appraisal	3
FIN 4810	Real Estate Practice	3
FIN 5850	Real Estate Finance	3
FIN 4590	Financial Case Studies	3
or FIN 4350	Investment Analysis	
Three units chosen from the following:		3
FIN 3555	Business and Asian Culture	
FIN 3600	Financial Planning Process and Insurance	
FIN 3850	Real Estate Accounting	
FIN 4300	Financial Theory and Practice	
FIN 4320	Financial Institutions and Capital Market	
FIN 4330	International Finance	
FIN 4350	Investment Analysis (If not taken previously)	
FIN 4450	Financial Data Analytics	
FIN 4590	Financial Case Studies (If not taken previously)	
FIN 4600	Retirement Planning	
FIN 4820	Real Estate Development	
FIN 4850	Legal Aspects of Real Estate	
FIN 5230	Security Trading and Analysis	

FIN 5460	Student Managed Investment Fund	
FIN 5860	Computer Applications in Real Estate	
FIN 5880	Real Estate Office Administration	
FIN 5753	Finance Internship	
FIN 5755	Internship	
Total Units		18

SCM 5953	Independent Study	
SCM 5955	Independent Study	
Total Units		18

Sports and Entertainment Marketing Concentration (18 units)

MKTG 4160	Marketing Research	3
MKTG 4300	Professional Selling and Sales Management	3
MKTG 5250	Sports, Entertainment, and Hospitality Marketing	3
MKTG 5500	Advanced Sports Marketing Planning and Strategy	3
MKTG 5550	Advanced Entertainment Marketing Planning and Strategy	3
Three units chosen from the following:		3
MKTG 4100	Consumer Behavior	
MKTG 4200	Marketing Communications	
MKTG 4750	Digital Marketing	
MKTG 5160	Marketing Data Analytics	
MKTG 5600	Experiential Marketing	
MKTG 5730	Festival and Entertainment Management	
MKTG 5915	Seminar in Marketing	
MKTG 5930	Seminar in Marketing	
MKTG 5951	Independent Study	
MKTG 5952	Independent Study	
MKTG 5953	Independent Study	
MKTG 5955	Independent Study	
ADMN 5753	Internship	
ADMN 5755	Internship	
Total Units		18

Supply Chain Management Concentration (18 units)

SCM 3050	Enterprise Resource Planning	3
SCM 4400	Transportation Systems Management	3
SCM 4700	Advanced Supply Chain and Logistics Management	3
SCM 4750	Supply Chain Business Analytics	3
SCM 5150	Project Management	3
Three units chosen from the following:		3
SCM 3500	Problem Solving and Decision Making	
SCM 4450	International Logistics	
SCM 4800	Quality Management	
SCM 5050	Advanced Enterprise Resource Planning	
GEOG 5303	Advanced Topics in GIS and Spatial Techniques	
ADMN 5753	Internship	
ADMN 5755	Internship	
SCM 5915	Seminar in Supply Chain Management	
SCM 5930	Seminar in Supply Chain Management	
SCM 5951	Independent Study	
SCM 5952	Independent Study	

Bachelor of Arts in Anthropology

The study of anthropology promotes an understanding of self and other by exploring the human condition at all times and in all places. In an interconnected world in which societies depend upon one another, failures in understanding and appreciating differences in goals, values and ways of life can lead to fear, discrimination, oppression, and war. The subfields of biological anthropology, archaeology, and sociocultural anthropology explore human evolution and the emergence of culture, cultural differences and similarities, regional history and ecology, and the role of language in culture.

Students can earn additional first-hand experience abroad through participation in faculty-led programs (<http://international.csusb.edu/StudyAbroad.aspx>), the California State University's International Programs (<http://csuip.calstate.edu/>), and independent field schools.

Requirements (46 units)

Total units for Graduation: 120

Requirements for the B.A. in Anthropology

(Program Code: ANTH)

Lower-division requirements (9)

ANTH 1001	Humans, Apes, and Monkeys: Introduction to Biological Anthropology	3
ANTH 1002	Understanding Cultural Diversity	3
ANTH 1400	World History to c. 1500	3
or HIST 1400	World History to c. 1500	

Upper-division requirements (37)

ANTH 3501	Human Origins	3
ANTH 3600	The History of Anthropological Thought	3
ANTH 5000	Senior Seminar in Anthropology	3

Archaeology

Nine units chosen from: ^{A minimum of three units must be from a regional study course designated by the R suffix.} 9

ANTH 3002R	African Archaeology	
ANTH 3003R	Prehistory of the Middle East and Europe	
ANTH 3005R	North American Prehistory	
ANTH 3006R	Mesoamerican Archaeology	
ANTH 3007R	Andean Archaeology	
ANTH 3012	Historical Archaeology	
ANTH 3014R	Archaeology of California	
ANTH 3015R	Archaeology of the Southwest	
ANTH 3019L	Experimental Archaeology and Ethnoarchaeology	
ANTH 3023	Native North American Art	
or ANTH 302	Pre-Columbian Art	
ANTH 3180	Introduction to Cultural Resource Management	
ANTH 3201	The Archaeology of the Senses	
ANTH 3360	Ancient Egyptian Archaeology	
ANTH 4001T	Archaeological Theory and Method	

ANTH 4020L	Archaeological Survey and Excavation
ANTH 4021L	Archaeological Laboratory Analysis
ANTH 4550	Egyptian Mining Expeditions, Their Buildings, and Their Slaves

Biological Anthropology

Three units chosen from: 3

ANTH 3500	The Race Concept in Biological Anthropology
ANTH 3502	Primate Evolution and Ecology
ANTH 3503	Forensic Anthropology and Crime
ANTH 4501L	Human Osteology and Functional Anatomy
ANTH 4500T	Late Pleistocene Human Evolution

Sociocultural Anthropology

Nine units chosen from: ^{A minimum of three units must be from a regional study course designated by the R suffix.} 9

ANTH 3601	Case Studies in Linguistic Anthropology
ANTH 3602	Anthropology of Childhood
ANTH 3603	Gendered Worlds: Power, Difference, and & In/equality
ANTH 3604	Anthropology and Film
ANTH 3605	Anthropology of Health
ANTH 3606	Indigenous Politics
ANTH 3607	Environmental Anthropology
ANTH 3608	Humans, Animals, and Nature
ANTH 3609	Urban Anthropology
ANTH 3610	Cultural Entanglements and the Global Economy
ANTH 3611	Religion and Culture
ANTH 3701R	Cultures of Mexico and Central America
ANTH 3702R	Anthropology of South America
ANTH 3703R	Asian Cultures
ANTH 3704R	Anthropology of the Middle East
ANTH 3705R	Anthropology of Africa
ANTH 3706R	Indians of North America
ANTH 3707R	Indians of the Southwest
ANTH 4601L	Community Engaged Research Methods
ANTH 4603L	Museum Research and Exhibit Development
ANTH 4605T	Human Rights, Violence & Culture
ANTH 4606T	Decolonizing Anthropology

Laboratory and Field Methods

Four units chosen from: 4

ANTH 3019L	Experimental Archaeology and Ethnoarchaeology May be used as an Archaeology elective or Laboratory and Field Methods requirement, but not both.
ANTH 4020L	Archaeological Survey and Excavation ^{May be used as an Archaeology elective or Laboratory and Field Methods requirement, but not both.}
ANTH 4021L	Archaeological Laboratory Analysis ^{May be used as an Archaeology elective or Laboratory and Field Methods requirement, but not both.}
ANTH 4501L	Human Osteology and Functional Anatomy ^{May be used as a Biological Anthropology elective or Laboratory and Field Methods requirement, but not both.}
ANTH 4601L	Community Engaged Research Methods ^{May be used as a Sociocultural Anthropology elective or Laboratory and Field Methods requirement, but not both.}

ANTH 4603L **Museum Research and Exhibit Development** May be used as a Sociocultural Anthropology elective or Laboratory and Field Methods requirement, but not both.

Advanced Theory

Three units chosen from: 3

ANTH 4001T **Archaeological Theory and Method** May be used as an Archaeology elective or Advanced Theory requirement, but not both.

ANTH 4500T **Late Pleistocene Human Evolution** May be used as a Biological Anthropology elective or Advanced Theory requirement, but not both.

ANTH 4550 **Egyptian Mining Expeditions, Their Buildings, and Their Slaves** May be used as an Archaeology elective or Advanced Theory requirement, but not both.

ANTH 4605T **Human Rights, Violence & Culture** May be used as a Sociocultural Anthropology elective or Advanced Theory requirement, but not both.

ANTH 4606T **Decolonizing Anthropology** May be used as a Sociocultural Anthropology elective or Advanced Theory requirement, but not both.

Total Units 46

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Bachelor of Arts in Arabic Language, Literature, and Culture

Students receiving a minor, certificate or B.A. in Arabic Language, Literature and Culture may also be able to earn a minor or certificate in Islamic and Middle Eastern studies.

Requirements (44 units)

Total units required for graduation: 120

Requirements for the B.A. in Arabic Language, Literature, and Culture

(Program Code: ARAB)

1. Proficiency in Arabic equal to that of ARAB 1112 or equivalent.
2. No more than 18 units in Arabic can be transferred from other institutions.
3. Students who have completed high school in an Arab country may get credit for up to 8 units of second year Arabic.
4. Students who have completed Arabic as a second language in High School must take a placement exam. Highest placement is second year Arabic.

Lower-division requirements (8)

Eight units chosen from: 8

ARAB 2111	Arabic Communication
ARAB 2112	Arabic Literature and societies
ARAB 2113	Arabic Media
ARAB 2114	Arabic for Professional Communication

Upper-division requirements (15)

ARAB 3111	Arab Culture, Media and Identity	3
ARAB 3112	Explorations of Arabic Literary Texts	3
ARAB 3113	Spoken Arabic	3
ARAB 3114	Introduction to Arabic Linguistics	3
ARAB 3150	Arabic Conversation Activity	1
ARAB 3160	Writing Explorations	1
ARAB 4500	Signature Work	1

Electives (21)

Twenty one units chosen from: 21

(Only 6 units may be chosen from courses taught in English)

ARAB 3115	Introduction to Arabic Translation
ARAB 3116	Explorations in Arabic Media
ARAB 3117	Advanced Arabic for Professional Communication
ARAB 4112	Advanced Readings in Arabic
ARAB 4113	Arabic Pedagogy
Courses Taught in English	
ARAB 3900	Female Voices in Arab American Literature (Taught in English)
ARAB 4900	Voices and Visions from the Arab World (Taught in English)
ARAB 5900	Global Perspectives and Study Abroad

Total Units 44

Minor/Certificate in Islamic and Middle Eastern Studies

Bachelor of Arts in Art

A liberal arts degree based in a broad program of general studies with 2 areas of concentration: Studio Art and Visual Studies. The concentration in Studio Art offers a breadth of artistic exposure and experiences for the student with a strong professional interest in art who may wish to pursue graduate studies. The Visual Studies concentration is designed for students that want to take their studies in the direction of art and public practice, including teaching, writing, activism, nonprofit leadership, and community arts.

Requirements (62 units)

Total units required for graduation: 120

Requirements for the B.A. in Art

(Program Code: ARTS)

Lower-division requirements (21)

Foundation Requirements. Choose 3 courses from the list below: 9

ART 1120 2D Foundation: Line, Color and Composition

ART 1130 3D Foundation: Form, Space & Time

ART 1140 Creative Technology for Artists

ART 1150 Language of Art

ART 1160 Introduction to Drawing and Life Drawing

Art History. 6 units of lower division Art History. 6

Choose one course from:

AH 1103 Art History Methodologies 1

AH 1104 Art History Methodologies 2

And choose one from:

AH 1221 Art History Foundations 1

AH 1222 Art History Foundations 2

Beginning Studio Courses. Choose 1 course from Group A and 1 course from Group B: 6

Group A:

ART 2240 Beginning Imaging and Illustration

ART 2260 Beginning Photography

ART 2290 Beginning Painting

Group B:

ART 2320 Beginning Ceramics

ART 2330 Beginning Glass

ART 2350 Beginning Sculpture

Upper Division Requirements (11)

AH 3250 Topics and Themes of Art History and Exhibitions 3

ART 3520 Socially-engaged Art 3

ART 5500 Undergraduate Professional Practices 3

Choose 2 or more units from the following: 2

ART 5750 Internship in Art - Reflection Component

ART 5751 Internship in Art

ART 4500 Advanced Art Laboratory

Concentration (30)

Students must satisfy the requirements of one of the concentrations listed below. 30

Total Units 62

Concentrations (30 units)

Visual Studies Concentration (30 units)

Lower Division Requirements (30)

ART 2395 Art in the Classroom 3

9 units of Integrated Courses

ART 3400 Art and Social Action: Critical and Pedagogical Theories 3

choose one: 3

ART 3331 Art and Restorative Justice

ART 3332 Case Studies in Art and Activism

choose one: 3

ART 2280 From Teaching Artists to Social Practice: A History

ART 2329 Chicana Art

9 units of Interdisciplinary Course requirements. Chose 3 courses from: 9

ANTH 1002 Understanding Cultural Diversity

COMM 3335 Visual Communication

MGMT 4050 Managing Across Borders

PSYC 3300 Positive Psychology

SOC 4900 Crime, Desistance, and Reentry

Other Upper Division Requirements:

ART 4460 Art and Human Development 3

ART 4520 Leadership and Engagement in the Arts 3

Choose one: 3

ART 4551 Community-based Art Practicum

ART 4552 Arts in Corrections Practicum

ART 4450 Arts in Action: Visual Art

Total Units 30

Studio Art Concentration (30 units)

Lower Division Requirements (12)

Foundation Requirements. Choose the 2 courses that you did not take from the list in the Core Requirements. 6

ART 1120 2D Foundation: Line, Color and Composition

ART 1130 3D Foundation: Form, Space & Time

ART 1140 Creative Technology for Artists

ART 1150 Language of Art

ART 1160 Introduction to Drawing and Life Drawing

Select 2 courses from lower division Studio Art courses not chosen from the Core Requirements. 1 must be from Group A and 1 must be from Group B. 6

Group A:

ART 2240 Beginning Imaging and Illustration

ART 2260 Beginning Photography

ART 2290 Beginning Painting

Group B:

ART 2320 Beginning Ceramics

ART 2330 Beginning Glass

ART 2350 Beginning Sculpture

Upper Division Studio Art requirements (18)

Choose 2 intermediate studio courses: 6

ART 3160 Intermediate Drawing and Life Drawing

ART 3240	Intermediate Imaging and Illustration	
ART 3260	Intermediate Photography	
ART 3290	Intermediate Painting	
ART 3320	Intermediate Ceramics	
ART 3330	Intermediate Glass	
ART 3350	Intermediate Sculpture	
Choose 12 units of upper division studio courses, from list above if not already taken or from list below. 6 units must be 4000 level.		12
ART 5750	Internship in Art - Reflection Component	
ART 5751	Internship in Art	
ART 5752	Internship in Art	
ART 5753	Internship in Art	
ART 3780	Special Topics in Art	
ART 4160	Advanced Drawing and Life Drawing	
ART 4240	Advanced Imaging and Illustration	
ART 4260	Advanced Photography	
ART 4290	Advanced Painting	
ART 4320	Advanced Ceramics	
ART 4330	Advanced Glass	
ART 4350	Advanced Sculpture	
ART 4500	Advanced Art Laboratory	
<hr/> Total Units		30

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Bachelor of Arts in Career and Technical Studies

Admission to the Program

The Bachelor of Arts in Career and Technical Studies (BCTS) is designed to provide candidates with significant occupational and teaching experience the opportunity to have that experience count as partial credit toward a baccalaureate degree. Applicants must possess a high school diploma or its equivalent and five years of work experience and/or education directly related to each subject the candidate teaches.

In order to qualify for a Career and Technical Evaluation of Competency (CTEC) applicant must have at least three years of full-time work experience, at least 1500 clock hours of teaching experience.

Applicants must be admitted to the university and should take ECTS 3350. Introduction to Career and Technical Studies within the first academic year.

Requirements (60 units)

Total units required for graduation: 120

Requirements for the B.A. in Career and Technical Studies

(Program Code: CTEC)

Career and Technical Studies courses		27-36
ECTS 3350	Introduction to Career and Technical Studies	3
ECTS 4350	Trends and Issues in Career and Technical Programs	3
ECTS 5010	Principles and Methods for Teaching Designated Subjects	3
ECTS 5020	Instructional Support for Teaching Designated Subjects	3
ECTS 5040	Principles of Career and Technical Education	3
ECTS 5080	Organization and Structure of Career and Technical Programs	3
ECTS 5180	Field Work in Designated Subjects	3
ECTS 5190	Instructional Technology for Career and Technical Educators	3
ECTS 5200	Curriculum Development for Career and Technical Programs	3
ECTS 5210	Assessing Student Progress	3
ECTS 5220	Directing and Managing Occupational Programs	3
ECTS 5230	Learning Theory and Instructional Research	3
ECTS 5410	Topics in Career and technical Education	3
Career and Technical Evaluation of Competency (CTEC)		
The equivalent of 24-33 semester units of experience must be verified through written examinations, portfolios, personal interviews, demonstrations, and/or other appropriate means of documentation.		24-33
Total Units		60

Bachelor of Arts in Chemistry

The Bachelor's of Art degree program in chemistry is designed for the student who plans a career in chemistry or the related sciences upon graduation, continuation to graduate school in the chemical sciences, or professional health sciences such as medicine or pharmacy, but is interested in studying other subjects to augment a basic chemistry curriculum, perhaps with a minor or a double major in another field, for example. The program provides foundational course work in the sub-disciplinary areas of organic, inorganic, physical, analytical, and biochemistry with cognate course work in biology, mathematics and physics. A concentration in biochemistry or chemistry is required. The B.A. program is not certified by the American Chemical Society.

The B.A. in Chemistry provides additional chemistry electives and fewer requirements than the B.S. degree program. The Chemistry concentration may be an appropriate degree for those that would like to become high school chemistry teachers, for example. A total of 14 free elective units are available. The biochemistry option requires biology and biochemistry course and laboratory work, and may be more appropriate for students interested in the biotech industry, medical or pharmacy school, or clinical laboratory science. Ten free elective units are available.

Requirements (68-73 units)

Total units required for graduation: 120

Requirements for a B.A. in Chemistry

Lower-division requirements (28)

CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1
MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
PHYS 2000	Introduction to Physics I	4
PHYS 2000L	Introduction to Physics I Lab	1
PHYS 2010	Introduction to Physics II	4
PHYS 2010L	Introduction to Physics II Lab	1

Note: Physics requirement may be alternatively met by taking PHYS 2500, 2500L, 2510, and 2510L.

Upper-division requirements (40-45)

CHEM 3200	Quantitative Analysis	4
CHEM 3400	Principles of Organic Chemistry I	5
CHEM 3500	Principles of Organic Chemistry II	5

Note: The organic chemistry requirement may be alternatively met with the following five courses (13 units):

CHEM 2400	Organic Chemistry I Lecture	
CHEM 2400L	Organic Chemistry I Laboratory	
CHEM 2500	Organic Chemistry II	
CHEM 2500L	Organic Chemistry II Laboratory	
CHEM 3600	Intermediate Organic Chemistry	
CHEM 5800	Chemistry Seminar	1

Select one of the following two concentrations to complete the major 25-30

Total Units

68-73

Concentrations (25-30 Units)

Chemistry Concentration (25 Units)

BIOL 1000	Introduction to Biology	3
BIOL 1000L	Introduction to Biology Lab	1
MATH 2310	Applied Linear Algebra	4
CHEM 4300	Inorganic Chemistry	4
CHEM 4400	Physical Chemistry I	3
CHEM 4500	Physical Chemistry II	3
CHEM 4550	Physical Chemistry Laboratory	1
Choose 6 units of upper-division chemistry electives from the following list:		6
CHEM 4100	Biochemistry I (3 units)	
CHEM 4100L	Biochemistry I Laboratory (1 unit)	
CHEM 4200	Biochemistry II (3 units)	
CHEM 5001	Topics in Chemistry (1 unit)	
CHEM 5001L	Topics in Chemistry Laboratory (1 unit)	
CHEM 5002	Topics in Chemistry (2 units)	
CHEM 5100	Polymer Science (2 units)	
CHEM 5150	Materials Chemistry (2 units)	
CHEM 5200	Instrumental Analysis (5 units)	
CHEM 5300	Environmental Chemistry (3 units)	
CHEM 5320	Atmospheric Chemistry (3 units)	
CHEM 5400	Chemistry of the Elements (3 units)	
CHEM 5420	Pyrotechnics (1 unit)	
CHEM 5500	Medicinal Chemistry (2 units)	
CHEM 5550	Computational Chemistry (2 units)	
CHEM 5751	Internship in Chemistry (1 unit)	
CHEM 5752	Internship in Chemistry (2 units)	
CHEM 5753	Internship in Chemistry (3 units)	
CHEM 5901	Directed Laboratory Research (1 unit)	
CHEM 5902	Directed Laboratory Research (2 units)	
CHEM 5903	Directed Laboratory Research (3 units)	
CHEM 5951	Independent Study (1 unit)	
CHEM 5952	Independent Study (2 units)	
CHEM 5953	Independent Study (3 units)	
Total Units		25

Biochemistry Concentration (30 units)

BIOL 2010	Principles of Biology I	5
BIOL 2020	Principles of Biology II	5
CHEM 4100	Biochemistry I	3
CHEM 4100L	Biochemistry I Laboratory	1
CHEM 4200	Biochemistry II	3
CHEM 4200L	Biochemistry II Laboratory	1
CHEM 4350	Bioinorganic Chemistry	3
CHEM 4600	Physical Chemistry for Biochemists I	3
CHEM 4700	Physical Chemistry for Biochemists II	3
CHEM 4750	Physical Chemistry for Biochemists Laboratory	1

Choose at least 2 units of upper-division elective from the following list: 2

CHEM 5001	Topics in Chemistry (1 unit)
CHEM 5001L	Topics in Chemistry Laboratory (1 unit)
CHEM 5002	Topics in Chemistry (2 units)
CHEM 5100	Polymer Science (2 units)
CHEM 5150	Materials Chemistry (2 units)
CHEM 5200	Instrumental Analysis (5 units)
CHEM 5300	Environmental Chemistry (3 units)
CHEM 5320	Atmospheric Chemistry (3 units)
CHEM 5400	Chemistry of the Elements (3 units)
CHEM 5420	Pyrotechnics (1 unit)
CHEM 5500	Medicinal Chemistry (2 units)
CHEM 5550	Computational Chemistry (2 units)
CHEM 5751	Internship in Chemistry (1 unit)
CHEM 5752	Internship in Chemistry (2 units)
CHEM 5753	Internship in Chemistry (3 units)
CHEM 5901	Directed Laboratory Research (1 unit)
CHEM 5902	Directed Laboratory Research (2 units)
CHEM 5903	Directed Laboratory Research (3 units)
CHEM 5951	Independent Study (1 unit)
CHEM 5952	Independent Study (2 units)
CHEM 5953	Independent Study (3 units)

Total Units 30

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Bachelor of Arts in Child Development

As prerequisites for acceptance into the B.A. in Child Development, students must complete the following as a "Pre-child development major." Upon completion of the requirements, the student's major will be changed automatically from "Pre-child development" to "Child development" status.

There are two concentrations within the Child Development B.A. These are **Early Childhood Education** and **Child and Adolescent Development**. Students must select one of the concentrations when they declare Child Development as their major. These concentrations conform to the Transfer Model for early childhood education and child development degrees.

Requirements to enter the B.A. in Child Development

General Education Basic Skills in English (A1)	3
General Education Basic Skills in Mathematics (A3)	3
Additional Requirements	
CD 2240 Introduction to Child Development	3
PSYC 2210 Psychological Statistics	4
Total Units	13

Students may earn no grade lower than a "C" (2.0) in each of these courses. In addition, students must have a GPA of 2.5 in the Pre-child development major and an overall University GPA of 2.25.

The Office of the Registrar will change the student's status once the above requirements have been met.

Requirements (57-59 units)

Total units required for graduation: 120

Requirements for the B.A. in Child Development

PSYC 2210 Psychological Statistics	4
CD 2240 Introduction to Child Development	3
CD 2205 Diversity in Child Development	3
Two units chosen from:	2
CD 2244 Observations and Methods: Infant and Toddler Development	
CD 2245 Observation and Methods: Preschool and Early School Age Development	
CD 2246 Observation and Methods: School Age Development	
CD 2247 Observation and Methods: Adolescent Development	
CD 3310 Applied Research Methods	3
Students may take PSYC 3310 as an alternative to CD 3310	
CD 3324 Developmental Psychobiology	3
CD 4400 Child Assessment	4
CD 3398 Advanced Child and Family Development	3
Six units chosen from:	6

PSYC 3305 Language Development	
PSYC 3358 Cognitive Development	
PSYC 3384 Social and Emotional Development	
CD 5755 Internship	3
Concentration (23-25)	
Students must complete the requirements of one of the concentrations listed below.	23-25
Total Units	57-59

Students enrolling in the Child Development Honors Program during their senior year will take CD 5597 and CD 5598 in addition to the above requirements.

Concentrations (23-25 units)

Early Childhood Development Concentration (25 units)

CD 2250 Infant and Toddler Development	3
CD 2260 Early Childhood Development	3
CD 2251 Effective Interactions with Infants and Toddlers	3
or CD 2261 Effective Interactions with Preschoolers and Early School Aged	
CD 2252 Infant and Toddler Activities and Programs	3
or CD 2262 Preschool and Early School Age Activities and Programs	
CD 2291 Effective Interactions: Laboratory	2
CD 2292 Activities and Programs: Laboratory	2
Three units chosen from:	3
CD 2209 Health, Safety, and Nutrition	
CD 3302 History of Childhood	
CD 3304 Play and Best Practice with Children	
CD 2215 Child, Family, and Community	3
or PSYC 3303 Parenting and Family Relations	
CD 3306 Early Childhood Special Education	3
Total Units	25

Child and Adolescent Development Concentration (23 units)

Three units chosen from:	3
ANTH 3602 Anthropology of Childhood	
CD 2215 Child, Family, and Community	
CD 3302 History of Childhood	
CD 3304 Play and Best Practice with Children	
PSYC 3325 Development of Intimate Relationships	
CD 4405 Effective Interactions, Activities, and Programs with School Age and Adolescent Children	3
CD 4406 Interactions and Activities Lab: School Age and Adolescence	2
PSYC 1100 Introduction to Psychology	3
PSYC 3303 Parenting and Family Relations	3
PSYC 3320 Psychology of Middle Childhood	3
PSYC 3328 Psychology of Adolescent Development	3
PSYC 3350 Development of Exceptional Children	3

or PSYC 3391 Psychopathology of Childhood

Total Units

23

DRAFT 9/2019

Bachelor of Arts in Communication

Communication and media shape the ways we understand and interact in our social worlds. The 45-unit Bachelor of Arts in Communication degree helps students develop valuable communication understandings and skills through a deep, practical, timely, and relevant curriculum. Five core courses expose students to major communication institutions and processes, theoretical perspectives and research techniques for studying those phenomena, and career pathways and ethical considerations for communication professionals. Students deepen these understandings and sharpen their skills by specializing in one of three concentrations: Relational and Organizational Communication, Media Studies, and Strategic Communication. Further, a wide range of Experiential Learning courses gives students hands-on experience in communication and media practices to prepare them for their careers. Together, this mix of theory and practice prepares students for a lifetime of personal, civic, and professional communication, including careers in various fields, such as: human resources, training and development; journalism, broadcasting, and filmmaking; digital/social media strategy and management; strategic communication for corporations, non-profits, and government entities; and many others.

Requirements (45 units)

Total units required for graduation: 120

Requirements for the B.A. in Communication

Core course requirements (15)

COMM 2101	Introduction to Communication Studies	3
COMM 3101	Communication, Self, and Others	3
COMM 3102	Media, Culture, and Society	3
COMM 4101	Communication Research Methodology	3
COMM 4102	Ethical Aspects of Communication	3

Experiential Learning requirements (6)

Students choose six units from at least two of the following experiential learning courses. In these courses, students apply Communication theories and practices in supervised, "hands-on" activities, and they reflect on those experiences. 6

Students can only apply six experiential learning units toward the B.A. in Communication; however, additional experiential learning units may contribute to a minor (where applicable), or to a student's general graduation requirements (120 units).

Experiential learning courses may not be used as elective units, either in the B.A. in Communication or its respective concentrations.

COMM 2291	Practicum in Relational and Organizational Communication
COMM 2292	Practicum in Mentoring
COMM 2293	Practicum in Intercollegiate Forensics: Coyote Debate
COMM 2391	Practicum in Multimedia Journalism: Coyote Chronicle
COMM 2392	Practicum in Digital Audio and Radio: Coyote Radio

COMM 2393	Practicum in Television Journalism Production: Local Matters
COMM 2491	Practicum in Strategic Communication: Coyote PR
COMM 2492	Practicum in Advertising: Coyote Advertising
COMM 2592	Practicum in Communication Research
COMM 2593	Service Learning in Communication
COMM 4291	Advanced Practicum in Relational and Organizational Communication
COMM 4292	Advanced Practicum in Mentoring
COMM 4293	Advanced Practicum in Intercollegiate Forensics: Coyote Debate
COMM 4391	Advanced Practicum in Multimedia Journalism: Coyote Chronicle
COMM 4392	Advanced Practicum in Digital Audio and Radio: Coyote Radio
COMM 4393	Advanced Practicum in Television Journalism Production: Local Matters
COMM 4491	Advanced Practicum in Strategic Communication: Coyote PR
COMM 4492	Advanced Practicum in Advertising: National Student Advertising Competition team
COMM 5792	Internship in Communication
COMM 5793	Internship in Communication
COMM 5794	Internship in Communication

Electives (6)

In addition to the Communication core, experiential learning, and concentration coursework, students choose six elective units in COMM coursework to broaden and deepen their understandings of communication processes. 6

Students can only apply six elective units toward the B.A. in Communication; however, additional elective units may contribute to a minor (where applicable), or to a student's general graduation requirements (120 units).

Elective courses should be chosen in consultation with an advisor and, in the case of non-departmental electives, the approval of the chair. COMM 1000, 1002, 1006, and 1007 may not be applied toward the B.A. in Communication.

Concentration (18)

A minimum of 18 units from one of the following concentrations below 18 to be chosen in consultation with an advisor.

Total Units 45

Note: Transfer students from a California community college who earned an appropriate Associate Degree for Transfer (AA-T or AD-T) in communication may complete the B.A. in Communication by selecting any of the three concentrations.

Concentrations (18 units)

Relational and Organizational Communication Concentration (18 units)

(Program Code: CROC)

Core (9)

COMM 2201	Intercultural Communication	3
COMM 4202	Relational Communication	3
COMM 4203	Organizational Communication	3

Electives (9)

Nine units chosen from:	9
COMM 2231 Small Group Communication	
COMM 2251 Fundamentals of Interpersonal Communication	
COMM 3211 Business and Professional Communication	
COMM 3212 Persuasion	
COMM 3227 Topics in Relational and Organizational Communication	
COMM 3230 Nonverbal Communication	
COMM 3231 Communication for Training Programs	
COMM 4211 Communication and Gender	
COMM 4222 Communication and Conflict	
COMM 4231 Classroom Communication	
COMM 4241 Interviewing	
COMM 5222 Mediation Theory and Practice	
COMM 5267 Advanced Topics in Relational and Organizational Communication	
COMM 5280 Culture and Ethnicity in Language	
COMM 5952 Independent Study	
COMM 5953 Independent Study	
COMM 5954 Independent Study	
Total Units	18

Media Studies Concentration (18 units)

(Program Code: CMMS)

Core (9)

COMM 3301 Media Institutions in Context	3
COMM 3305 Digital Media and Society	3
COMM 2301 Newswriting and Reporting	3
or COMM 3354 Fundamentals of Screenwriting	

Electives (9)

Nine units chosen from any of the following areas:	9
Media Studies	
COMM 3319 Topics in Media Studies	
COMM 4301 Gender, Race, and Class in Media	
COMM 4302 Latinx, Media, and Cultures	
COMM 4303 Global Communication	
COMM 4304 Media Effects	
COMM 4305 Advertising as Social Communication	
COMM 5301 Media, Sex, and Violence	
COMM 5302 Communication Law and Policy	
COMM 5303 Muslim Women in Media and Society	
COMM 5319 Advanced Topics in Media Studies	
Film Studies	
COMM 3331 The Development of Motion Pictures	
COMM 3332 Movies in the Digital Age	
COMM 3333 Film Analysis	
COMM 3334 Global Cinema	
COMM 3339 Topics in Film Studies	
COMM 5339 Advanced Topics in Film Studies	
Digital Production	
COMM 2351 Television Studio Production	

COMM 3335 Visual Communication	
COMM 3351 Introduction to Digital Video Editing	
COMM 3353 Digital Video Field Production	
COMM 3354 Fundamentals of Screenwriting ¹	
COMM 3359 Topics in Digital Production	
COMM 3361 Digital Audio and Radio Production	
COMM 4355 Digital Filmmaking I	
COMM 4356 Digital Filmmaking II	
Multimedia Journalism	
COMM 2301 Newswriting and Reporting ¹	
COMM 3371 Multimedia Journalism	
COMM 3372 Publication Design	
COMM 3379 Topics in Multimedia Journalism	
COMM 5952 Independent Study	
COMM 5953 Independent Study	
COMM 5954 Independent Study	
Total Units	18

¹ If not already completed as a concentration core course.**Strategic Communication Concentration (18 units)**

(Program Code: CSCM)

Core Requirements (15)

COMM 2301 Newswriting and Reporting	3
COMM 3401 Introduction to Strategic Communication	3
COMM 3402 Writing for Public Relations	3
COMM 4401 Strategic Communication Campaigns	3
COMM 5401 Crisis Communication	3

Electives (3)

Three units chosen from:	3
ADMN 1500 Introduction to Administration	
COMM 3211 Business and Professional Communication	
COMM 3212 Persuasion	
COMM 3372 Publication Design	
COMM 5302 Communication Law and Policy	
COMM 3403 Business Literacy for Strategic Communication	
ECON 2201 Principles of Microeconomics	
ENTR 3000 Entrepreneurship and Innovation	
MGMT 3900 Principles of Strategy	
MKTG 3050 Marketing Principles	
Total Units	18

Individualized Concentration (18 units)

(Program Code: CMIP)

Students may propose a unique, individualized 18-unit concentration if the proposed concentration has curricular integrity and if it fulfills objectives that cannot be met through one of the concentrations listed above. Proposals, which require departmental approval, must be submitted no later than the student's junior year. Only 12 units of course work completed prior to such approval can be applied toward an individualized

concentration. Consult the department chair for exceptions that may apply to students at the Palm Desert campus.

DRAFT 9/2019

Bachelor of Arts in Computer Systems

The Bachelor of Arts (BA) in Computer Systems program emphasizes the application of principles to practical problem solving in a domain of interest. Students complete a core set of foundation courses and courses in one of the following concentrations: system administration, game development, and general interdisciplinary.

Requirements (63-73 units)

Total units required for graduation: 120

Requirements for the B.A. in Computer Systems

Lower-division requirements (21)

CSE 2010	Computer Science I	4
CSE 2020	Computer Science II	4
CSE 2130	Machine Organization	3
MATH 2210	Calculus I	4
MATH 2720	Discrete Mathematics	3
MATH 2265	Statistics with Applications	3

Upper-division requirements (12)

CSE 4050	Web Application Development	3
CSE 4500	Platform Computing	3
CSE 4550	Software Engineering	3
CSE 4880	Ethics Senior Seminar	3

Ethics Senior Seminar will count towards the GE Writing Intensive Requirement.

Electives (12)

Twelve units chosen from CSE courses numbered 3000 and above. 12

Concentration (18-28)

Students must satisfy the requirements of one of the concentrations 18-28 listed below:

Total Units	63-73
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Concentrations (18-28 units)

General Interdisciplinary Concentration (18 units)

(Program Code: CSGI)

Three units chosen from CSE courses numbered 3000 and above.	3
Fifteen units of coursework in another discipline such as a minor or other cohesive program of study; subject to approval by the School of Computer Science and Engineering.	15
Total Units	18

Game Development Concentration (28 units)

(Program Code: CSGD)

PHYS 2500	General Physics I	4
	or PHYS 2000 Introduction to Physics I	
MATH 2220	Calculus II	4

MATH 2310	Applied Linear Algebra	4
PHYS 2500L	General Physics I Lab	1
	or PHYS 2000L Introduction to Physics I Lab	
CSE 4200	Computer Graphics	3
CSE 4410	Game Programming	3
CSE 4400	Game Design	3
Six units of supporting coursework such as 3D modeling, animation, level design, image editing, and other coursework related to game development. Subject to approval by the School of Computer Science and Engineering.		6
Total Units		28

System Administration Concentration (23 units)

(Program Code: CSSA)

CSE 3100	Digital Logic	4
CSE 3650	Systems Administration I	3
CSE 3660	Systems Administration II	3
CSE 4010	Contemporary Computer Architecture	4
CSE 4600	Operating Systems	3
CSE 5720	Database Systems	3
Three units chosen from CSE courses numbered 3000 and above.		3
Total Units		23

Bachelor of Arts in Criminal Justice

Also offered through the College of Extended Learning (<http://cel.csusb.edu/>)

As prerequisite for acceptance into the B.A. in Criminal Justice, students must complete the following as a "Pre-criminal justice major." Upon successful completion of the requirements, student's major will be changed automatically from "Pre-criminal justice" to "Criminal Justice" status. Following formal entrance to the criminal justice major, students may proceed with upper-division CJUS courses.

Requirements to enter the B.A. in Criminal Justice

Completion of the following:

General Education Basic Skills in English (3)

One (1) of the following:	3
ENG 1060B Stretch Composition II for Multilingual Students	
ENG 1070B First-Year Composition for Multilingual Students	
HON 1100 Writing Rhetorically	

General Education Basic Skills in Oral Communication (3)

One (1) of the following:	3
COMM 1006 Oral Communication	
HON 1300 Communicating Orally	

General Education Basic Skills in Mathematics (3)

One (1) of the following:	3
MATH 1101 Mathematics and Society	
MATH 1103 Stretch Mathematics and Society B	
MATH 1201 Introduction to Statistical Thinking	
MATH 1203 Stretch Introduction to Statistical Thinking B	
MATH 1301 Modeling with Functions	
MATH 1303 Stretch Modeling with Functions B	
MATH 1401 Accelerated Preparation for Calculus	
MATH 1403 Preparation for Calculus B	
MATH 1601 Modeling with Calculus	
MATH 2210 Calculus I	

General Education Basic Skills in Critical Thinking (3)

One (1) of the following:	3
COMM 1007 Critical Thinking Through Argumentation	
HON 1200 Thinking Critically	
MATH 1501 Critical Thinking Through Applications of Mathematical Logic	
PHIL 1005 Critical Thinking Through Argument Analysis	
PHIL 2100 Critical Thinking Through Symbolic Logic	
PSYC 1105 Critical Thinking in Everyday Life	
SOC 1800 Critical Thinking about Social Issues	

Total Units 12

Students are encouraged to take the above classes prior to taking the Criminal Justice classes below.

CJUS 1101	Introduction to the Criminal Justice System	3
CJUS 1102	Criminal Law	3
CJUS 3320	Theories of Crime and Delinquency	3

With the exception of CJUS 3320, the grade earned in each of the above courses must be no lower than "C" (2.0) and a GPA in the pre major no lower than a 2.3

A student may enroll in a criminal justice class three times. If a student does not successfully complete the course after three enrollments, the student must change majors if the course is a required course. Students may appeal to the department academic standards committee.

Criminal Justice is an impacted major with GPA entry requirement. The Criminal Justice Department will determine entry standards annually based on enrollments.

Requirements (45 units)

Total units required for graduation: 120

Requirements for the B.A. in Criminal Justice

(Program Code: CJUS)

Lower-division requirements (6)

(prerequisites for upper-division courses)

CJUS 1101	Introduction to the Criminal Justice System	3
CJUS 1102	Criminal Law	3

Upper-division requirements (21)

CJUS 3311	Research Methods in Criminal Justice	3
CJUS 3312	Statistics in Criminal Justice	3
CJUS 3320	Theories of Crime and Delinquency	3
CJUS 3330	Correctional Theory and Institutions	3
CJUS 3340	Police and Police Systems	3
CJUS 5598	Integrative Studies in Criminal Justice	3
SSCI 3060	Expository Writing for the Social Sciences	3

Electives (18)

Note: Students transferring from community colleges may substitute a maximum of 9 lower-division units selected from administration of justice courses toward the electives category.

Eighteen units chosen from: 18

CJUS 1106	Criminal Investigations	
CJUS 3304	Criminal Procedure	
CJUS 3350	Intelligence & Crime Analysis 1	
CJUS 3354	Victimology	
CJUS 3370	Law and the Courts	
CJUS 3470	Crime Prevention	
CJUS 4430	Correctional Administration	
CJUS 4431	Community Corrections	
CJUS 4435	Correctional Counseling	
CJUS 4440	Police Administration	
CJUS 4441	Community Policing	
CJUS 4451	Women and Crime	
CJUS 4452	White Collar Crime	
CJUS 4453	Gangs	

CJUS 4455	Forensic Profiling
CJUS 4460	Drugs and the Criminal Justice System
CJUS 4462	Domestic Violence
CJUS 4465	Hate Crime and Law Policy
CJUS 4466	Justice and the Media
CJUS 5506	Wildlife Crime
CJUS 5508	Preventing Crime in Transportation Systems
CJUS 5550	Intelligence & Crime Analysis 2
CJUS 5554	Terrorism
CJUS 5555	Homeland Security
CJUS 5556	Transnational Organized Crime
CJUS 5560	Crime Pattern Detection
CJUS 5570	Crime in Public Spaces
CJUS 5571	Social Network Analysis
CJUS 5580	Juvenile Justice
CJUS 5585	Life Course Criminality
CJUS 5596	Peer Advising in Criminal Justice
CJUS 5753	Internship in Criminal Justice
CJUS 5901, 5902, 5903	Topics in Criminal Justice
CJUS 5951, 5952, 5953	Independent Study
CJUS 5597	Senior Honors Project
Total Units	45

Note: With consent of department course substitution committee, six upper-division units in related fields may be substituted for six units of the elective requirement.

DRAFT 9/2019

Bachelor of Arts in Design Studies

Pending CO Approval

This program is for students with general interest in the study of design but a desire to pursue coursework and professional interests in other areas.

Requirements (36 units)

Total units required for graduation: 120

Requirements for the Bachelor of Arts in Design Studies

Lower-Division Requirements (18)

DES 1100	Digital Applications Basics	3
DES 1110	Fundamental Design Principles	3
DES 1125	Design Thinking - Problem Solving & Critical Thinking in Visual Studies	3
DES 2600	Digital 3D and Time-Based Media	3
DES 2005	Typography and Layout	3
DES 2405	Application Programming for Designers	3

Upper-Division Requirements (18)

Eighteen units chosen from: 18

DES 4015	Advertising and Promotion Design
DES 3700	Infographic and Data Visualization Design
DES 3205	Web and Application Design
DES 3020	Branding and Brand Identity Design
DES 3600	Digital Motion Graphics
DES 3615	Video Editing
DES 4625	Storyboarding
DES 4610	Virtual Reality
DES 3800	Advanced Modeling
DES 3835	Character Design
DES 4800	Computer-Aided Design (CAD)
DES 4825	3D Animation
DES 3130	Junior Design Topics
DES 4130	Senior Design Topics
MKTG 3050	Marketing Principles
MKTG 4100	Consumer Behavior
MKTG 4460	Integrated Marketing Communications
MKTG 4750	Digital Marketing

Total Units 36

Bachelor of Arts in Economics

Requirements (48-54 units)

Total units required for graduation: 120

Requirements for the B.A. in Economics

(Program Code: ECON)

All students must complete the core requirements along with one of the concentrations below.

Lower-division requirements (3-6)

ECON 2000 The Economy: Problems and Perspectives 3-6

or both of the following:

ECON 2201 Principles of Microeconomics

ECON 2202 Principles of Macroeconomics

Upper-division requirements (24)

Three units chosen from: 3

ECON 3312 Firms and Markets

ECON 3314 Public Economics

ECON 3316 Labor Economics

ECON 3318 International Economics

ECON 3400 Money, Banking, and Financial Markets 3

ECON 3500 Tools of Economic Analysis 3

ECON 3900 Writing in Economics 3

ECON 4100 Intermediate Microeconomics 3

ECON 4200 Intermediate Macroeconomics 3

ECON 4700 History of Economic Thought 3

Three units chosen from: 3

ECON 3105 Political Economy

ECON 3109 Political Economy of Women

ECON 3125 Economic History of the United States

ECON 3730 Economic Development

ECON 3750 Origins of Political Economy

ECON 3790 Post-Keynesian Economics

ECON 4815 Global Inequality and Growth

Concentration (21-24)

All students must complete one of the concentrations listed below. 21-24

Total Units 48-54

Concentrations (21-24 units)

General Economics Concentration (21-22 units)

Lower-division requirements (6-7)

Three units chosen from: 3

MATH 1201 Introduction to Statistical Thinking

MATH 2265 Statistics with Applications

ADMN 2100 Applied Business Statistics

One course chosen from: 3-4

MATH 1301 Modeling with Functions

MATH 1401 Accelerated Preparation for Calculus

MATH 1601 Modeling with Calculus

MATH 2210 Calculus I

Upper-division requirements (15)

Three units chosen from: 3

ECON 4300 Econometrics

ECON 4400 Quantitative Methods in Economics

ECON 4525 Mixed Methods Research

ECON 4550 Advanced Tools of Economic Analysis

Twelve additional units of upper-division economics courses 12

Total Units 21-22

Mathematical Economics Concentration (23-24 units)

Lower-division requirements (14-15)

MATH 2265 Statistics with Applications 3

MATH 2210 Calculus I 4

MATH 2220 Calculus II 4

One course chosen from: 3-4

MATH 2310 Applied Linear Algebra

CSE 1100 Critical Thinking Through Computer Programming

Upper-division requirements (9)

ECON 4300 Econometrics 3

Three units chosen from: 3

ECON 4400 Quantitative Methods in Economics

ECON 4525 Mixed Methods Research

ECON 4550 Advanced Tools of Economic Analysis

Three additional units of upper-division economics courses 3

Total Units 23-24

Applied Economics Concentration (21-22 units)

Lower-division requirements (12-13)

ADMN 2100 Applied Business Statistics 3

ACCT 2110 Introductory Accounting I 3

ACCT 2120 Introductory Accounting II 3

One course chosen from: 3-4

MATH 1301 Modeling with Functions

MATH 1401 Accelerated Preparation for Calculus

MATH 1601 Modeling with Calculus

MATH 2210 Calculus I

Upper-division requirements (9)

FIN 3001 Finance I 3

Three units chosen from: 3

ECON 4300 Econometrics

ECON 4400 Quantitative Methods in Economics

ECON 4525 Mixed Methods Research

ECON 4550 Advanced Tools of Economic Analysis

Three additional units of upper-division economics courses 3

Total Units 21-22

Note: Students considering graduate study in economics are urged to take the Mathematical Economics Concentration. Alternatively, students can complete the following courses: MATH 2265, ECON 4300, MATH 2210, MATH 2220, and CSE 1100.

DRAFT 9/2019

Bachelor of Arts in English

The Department of English at CSUSB is a vibrant community of teachers, scholars, and writers committed to the interdisciplinary exploration and development of English Studies. Our B.A. in English integrates four distinct approaches that are rarely united in English programs: literary studies, creative writing, linguistics, and rhetoric/writing studies. Students in our program gain an in-depth understanding of the imaginative, discursive, and practical aspects of language, as they read, interpret, synthesize, and write texts of various kinds. With this background, our graduates are prepared for careers in writing, business, public relations, advertising, technology, public health, teaching, and many other fields. They can also pursue graduate studies in a wide variety of disciplines, including law and medicine. Additionally, our graduates will find themselves well-prepared to take on the responsibilities of civic and community engagement.

The English major consists of a common, multidisciplinary core, and a choice of four concentrations that allow students to focus their coursework in literature, linguistics, creative writing, or rhetoric/writing studies. As a fifth option, the Department offers an individualized concentration where students, under the direction of a faculty advisor and with the approval of a faculty committee, can create their own course of study based on their personal and professional interests. Our English Teacher Preparation Program also provides prospective secondary school English teachers a subject matter CSET waiver before they enter a credential program.

Requirements (48 units)

Total units required for graduation: 120

Requirements for the B.A. in English

Lower-division requirements (16)

ENG 2000	Introduction to English Studies	1
ENG 2100	Historical Approaches to English Literature	3
ENG 2250	Historical Approaches to American Literature	3
ENG 2300	Historical Approaches to British Literature	3
ENG 2400	Writing in the Public Sphere	3
ENG 2500	Introduction to Creative Writing Studies	3

Upper-division requirements (14)

ENG 3010	Analysis of Poetry and Drama	3
ENG 3030	Analysis of Fiction and Nonfiction Prose	3
ENG 3110	Introduction to Linguistics	3
ENG 3750	Studies in Literary Theory	3
ENG 5160	Professional Pathways for English Majors	2

Concentration (18)

Students must satisfy the requirements of one of the concentrations listed below: 18

Total Units 48

Concentrations (18 units)

Students must complete 18 units from one of the following concentrations.

Note: if an elective for the concentration is also a GE course, the course may count as both an elective for the concentration and for GE credit.

Creative Writing Concentration (18 units)

(Program Code: ENCW)

ENG 3500	Literary Movements: Aesthetics and Craft	3
Three units chosen from:		3
ENG 4170	Poetry Writing Workshop	
ENG 4180	Fiction Writing Workshop	
ENG 5130	Advanced Creative Writing in Specialized Genres	3
Three units chosen from:		3
ENG 5110	Creative Writing in the Secondary Classroom	
ENG 5430A	Literary Production I	
ENG 5430B	Literary Production II	
Any upper-division creative writing course		
ENG 5190	Creative Writing: Thesis and Performance	3
Three English elective units chosen from:		3
ENG 5751	Internship in English	
ENG 5752	Internship in English	
ENG 5753	Internship in English	
ENG 5020	English Study Abroad	
ENG 5010	Media Performance Practicum	
ENG 5170	Honors Project	
ENG 5180	Research Project	
ENG 5030	English Practicum	
Any upper-division English course		
Total Units		18

Linguistics Concentration (18 units)

(Program Code: ELNG)

ENG 3210	Language, Thought, and Culture	3
ENG 3220	English Grammar	3
Three units chosen from:		3
ENG 3310	Child Language and Literacy Development	
ENG 3320	Second Language Acquisition	
Six units chosen from:		6
ENG 5230	Grammar and Discourse	
ENG 5240	Sociolinguistics	
ENG 5260	English Phonetics and Phonology	
ENG 5270	Studies in Language and Linguistics	
Three English elective units chosen from:		3
ENG 5751	Internship in English	
ENG 5752	Internship in English	
ENG 5753	Internship in English	
ENG 5020	English Study Abroad	
ENG 5010	Media Performance Practicum	
ENG 5170	Honors Project	
ENG 5180	Research Project	
ENG 5030	English Practicum	
Any upper-division English course		
Total Units		18

Literature Concentration (18 units)

(Program Code: ENLT)

Twelve units chosen from:	12
ENG 3000 Studies in Global Literatures	
ENG 3200 Literature for Children and Young Adults	
ENG 3140 Native American and Indigenous Literatures	
ENG 3150 Studies in a Literary Genre	
ENG 3190 Studies in Literary Diversity	
ENG 3230 Chicana/o Literature	
ENG 3240 Studies in Literary Topics	
ENG 3250 Asian American Literature	
ENG 3260 Caribbean Literature	
ENG 3330 Myth and Epic	
ENG 3350 Studies in the Novel	
ENG 3360 Women Writers	
ENG 3390 African American Literature	
ENG 3410 Environmental Literature	
ENG 3700 Turning Points in Literary History	
ENG 4750 Shakespeare and Renaissance Drama	
ENG 4010 English Literature of the Middle Ages	
ENG 4030 English Literature of the Tudor/Stuart Era	
ENG 4060 Seventeenth Century Literature	
ENG 4090 English Literature of the Restoration and Eighteenth Century	
ENG 4120 Romantic Literature	
ENG 4150 Victorian Literature	
ENG 4400 Studies in a Literary Period or Movement	
ENG 4410 Studies in a Major Authors	
ENG 4420 Modern Poetry	
ENG 4430 Contemporary Poetry	
ENG 4470 Modern Fiction	
ENG 4480 Contemporary Fiction	
ENG 4630 Advanced Studies in Literary Topics	
Three units from:	3
ENG 5150 Senior Seminar in Literature	
Three English elective units chosen from:	3
ENG 5751 Internship in English	
ENG 5752 Internship in English	
ENG 5753 Internship in English	
ENG 5020 English Study Abroad	
ENG 5010 Media Performance Practicum	
ENG 5170 Honors Project	
ENG 5180 Research Project	
ENG 5030 English Practicum	
Any upper-division English course	
Total Units	18

Rhetoric and Writing Studies Concentration (18 units)

(Program Code:)

ENG 3070 Theories of Public and Professional Writing	3
ENG 3290 Introduction to Literacy and Writing Studies	3
Six units chosen from:	6
ENG 3600 Studies in Writing	
ENG 3610 Studies in Literacy	
ENG 3620 Studies in Rhetoric	
Three units chosen from:	3
ENG 3300 Tutoring Writing: Theory and Practice	
ENG 5100 Teaching English in the Secondary Schools	
ENG 5140 Community-Based Writing	
Three English elective units chosen from:	3
ENG 5751 Internship in English	
ENG 5752 Internship in English	
ENG 5753 Internship in English	
ENG 5020 English Study Abroad	
ENG 5010 Media Performance Practicum	
ENG 5170 Honors Project	
ENG 5180 Research Project	
ENG 5030 English Practicum	
Any upper-division English course	
Total Units	18

Self-Directed Study Concentration (18 units)

(Program Code:)

To be eligible for the Self-Directed Study Concentration, students must write a proposal for their program plan, including all of the courses that they intend to take in the concentration and a rationale for the course of study. The proposal will be vetted by an English faculty committee before a student can be approved for this concentration. Before declaring this concentration, a student must have completed the following core classes: ENG 2000, ENG 2400, ENG 2500, ENG 3110, and either ENG 3010 or ENG 3030.

Eighteen units of any upper-division English courses, selected according to a plan developed in consultation with the English Department. With prior approval of the Department, students in this concentration may substitute up to 6 units of coursework from outside of the English major. We also encourage students to take 3 of their 18 units from the following:

ENG 5751 Internship in English	
ENG 5752 Internship in English	
ENG 5753 Internship in English	
ENG 5020 English Study Abroad	
ENG 5010 Media Performance Practicum	
ENG 5170 Honors Project	
ENG 5180 Research Project	
ENG 5030 English Practicum	

Bachelor of Arts in Environmental Studies

Environmental Studies is an interdisciplinary B.A. degree program that examines interactions of human society and nature through approaches of the natural sciences, social sciences, and humanities. Courses introduce foundation principles of ecology and environmental science in relation to issues of policy, politics, law, economics, social aspects, planning, pollution control, and natural resources management. Two degree concentrations are designed to prepare students for a broad field of environmental career pathways: **Environmental Sustainability** and **Environmental Systems**. Upon successful completion of the Environmental Studies B.A. degree program, students who want further training may go to graduate school in the natural sciences, public administration, planning, environmental law, environmental health, or education.

The **Environmental Studies B.A., Environmental Sustainability Concentration**, focuses on the concept of sustainability from an interdisciplinary perspective. This concentration includes instruction in sustainable development, environmental policies, ethics, ecology, landscape architecture, city and regional planning, economics, natural resource issues, sociology, and anthropology. Career pathways explored by this concentration include the work of government agencies and non-governmental organizations, natural resource planners and managers, environmental regulators, K-12 educators, and advocates. This concentration is recommended for students that want a broad and flexible liberal arts program that allows them follow diverse interests.

The **Environmental Studies B.A., Environmental Systems Concentration**, focuses on the application of biological, chemical, and physical principles to the study of environmental problems and solutions, including subjects such as abating or controlling environmental pollution and degradation; physical interactions between human society and the natural environment; and approaches to natural resources management. This concentration provides a science intensive background with instruction in biology, chemistry, physics, geosciences, environmental health, climatology, statistics, and mathematical modeling.

Career pathways explored by this concentration include the work of environmental specialists in consulting firms, governmental agencies that monitor and protect environmental quality, as well as in multiple fields of scientific research on human impacts to the environment.

This concentration is recommended for students preparing to pursue a graduate degree in the natural sciences, or preparing for an environmentally related technical career.

Requirements (45-52 units)

Total units required for graduation: 120

B.A. in Environmental Studies

(Program Code: ENV)

Lower-division requirements (13)

GEOG 1070	Environmental Studies Orientation Seminar	2
Three units chosen from:		3
GEOG 1030	Physical Geography	
GEOL 1000	Introductory Geology	

HSCI 1200	Health and Society: An Ecological and Societal Approach	
One unit chosen from:		1
GEOG 1030L	Physical Geography Laboratory	
GEOL 1000L	Introductory Geology Laboratory	
HSCI 1200L	Health and Society: An Ecological and Societal Approach Lab	
GEOG 2000	Environment and Society	3
GEOG 2250	Introduction to Geographic Information Systems and Cartography	4
Upper-division requirements (17)		
ENVIRONMENTAL SYSTEMS (7 units)		
GEOG 4360	Climate Change	3
or GEOG 4400 Geomorphology		
Four units chosen from:		4
GEOG 3300	Weather and Climate	
GEOG 4250	Watershed Hydrology and Management	
GEOG 4300	Biogeography	
NATURE-SOCIETY RELATIONS (6 units)		
GEOG 3500	Conservation and Natural Resources	3
or GEOG 3501 Environmental Sustainability		
Three units chosen from:		3
ANTH 3607	Environmental Anthropology	
ECON 3103	Environmental Economics	
ECON 3740	Economics of Climate Change	
ENG 3400	Analysis of Environmental Discourse (WI)	
ENG 3410	Environmental Literature	
PHIL 3001	Philosophy in the World (Topic: Environmental Ethics)	
EXPERIENTIAL LEARNING (4 units)		
GEOG 5000	Senior Seminar (must take in spring term prior to graduation)	2
Minimum of two units chosen from:		2
GEOG 5351	Professional Conferences	
GEOG 5352	Professional Conferences	
GEOG 5551	Laboratory Experience	
GEOG 5552	Laboratory Experience	
GEOG 5651	Field Experience	
GEOG 5652	Field Experience	
GEOG 5751	Internship in Geography	
GEOG 5752	Internship in Geography	
GEOG 5753	Internship in Geography	
GEOG 5756	Model United Nations Practicum (Spring Semester MUN Team)	
GEOG 5761	Study Abroad	
GEOG 5762	Study Abroad	
GEOG 5763	Study Abroad	
GEOG 5771	Study Away	
GEOG 5772	Study Away	
GEOG 5773	Study Away	
GEOG 5781	Service Learning in Geography, Global Studies and Environmental Studies	

GEOG 5782	Service Learning in Geography, Global Studies and Environmental Studies	
GEOG 5783	Service Learning in Geography, Global Studies and Environmental Studies	
GEOG 5951	Independent Study	
GEOG 5952	Independent Study	
GEOG 5953	Independent Study	
GEOG 5970	Senior Honors Project - Geography	
GEOG 5971	Senior Honors Project - Environmental Studies	
GEOG 5972	Senior Honors Project - Global Studies	

Concentration (15-22)

All students must satisfy the requirements of one of the concentrations listed below: 15-22

Total Units 45-52

Concentrations (15-22 units)

Courses taken in a concentration cannot be used elsewhere to meet requirements of this major.

Environmental Sustainability Concentration (15 units)

MATH 1201 Introduction to Statistical Thinking 3
 or GEOG 3018 Geographic Statistics and Research Methods

Minimum of six units chosen from: 6

- GEOG 3520 Environmental Inquiry and Education
- GEOG 3701 Environmental Policy and Impact Assessment
- GEOG 4870 Environmental GIS
- GEOG 4710 Water Wars

May choose one of the following:

- GEOG 3020 Social Geography
- GEOG 3030 Cultural Geography
- GEOG 3045 Global Cities and Urban Environment
- GEOG 3050 Economic Geography
- GEOG 3060 Political Geography
- GEOG 4050 Geography of California

Six units chosen from: 6

- ANTH 3607 Environmental Anthropology
- COMM 3227 Topics in Relational and Organizational Communication (Topic: Environmental Communication)
 or COMM 42 Communication and Conflict
- ECON 3103 Environmental Economics
 or ECON 374 Economics of Climate Change
- HIST 4950 Politics of Oil
- SOC 434 Community Organization
- PA 5140 Nonprofit Management and Leadership
 or PA 5200 Water Law, Regulation and Policy
 or PA 5210 Urban Growth and Planning
- PSCI 3300 State and Local Politics
 or PSCI 3420 The Politics of Environment

May choose one of the following GE courses:

- ART 3000 Art and Activism
- BIOL 2180 Sustainable Agriculture

BIOL 3010	Human Ecology	
CHEM 3100	Chemistry and the Environment	
GEOL 3020	Natural Disasters	
GEOL 3040	Energy and the Environment	
ENG 3400	Analysis of Environmental Discourse (WI)	
ENG 3410	Environmental Literature	
PHIL 3001	Philosophy in the World (Topic: Environmental Ethics)	

Total Units 15

Environmental Systems Concentration (22 units)

BIOL 1000 Introduction to Biology 3

CHEM 1000 Introduction to Chemistry 3
 or CHEM 2050 Survey of General Chemistry

CHEM 1000L Introduction to Chemistry Laboratory 1
 or CHEM 2050L Survey of General Chemistry Laboratory

MATH 1201 Introduction to Statistical Thinking 3
 or MATH 1301 Modeling with Functions
 or GEOG 3018 Geographic Statistics and Research Methods

PHYS 1000 Physics in the Modern World 3

Minimum of six units chosen from: 6

- GEOG 3300 Weather and Climate
- GEOG 3701 Environmental Policy and Impact Assessment
- GEOG 4250 Watershed Hydrology and Management
- GEOG 4300 Biogeography
- GEOG 4360 Climate Change
- GEOG 4400 Geomorphology
- GEOG 4651 Coastal Resources Management
- GEOG 4750 Ecosystem Assessment
- GEOG 4870 Environmental GIS
- GEOG 4880 Remote Sensing of the Environment

Minimum of three units chosen from: 3

- GEOL 3100 Introduction to Geologic Mapping
- GEOL 3600 Structural Geology
- GEOL 4100 Engineering Geology
- GEOL 3700 Groundwater Hydrology
- GEOL 5400 Environmental Hydrology
- HSCI 3052 Principles of Environmental Health
- HSCI 3522 Air Pollution and Radiological Health
- HSCI 3558 Water Quality and Pollution Control
- HSCI 4577 Environmental Health Engineering
- HSCI 5557 Solid and Hazardous Waste Management

Total Units 22

Bachelor of Arts in French

Requirements (36-48 units)

Total units required for graduation: 120

Requirements for the B.A. in French

Students must earn a grade of "C" (2.0) or better in all lower-division and upper-division courses required to fulfill a B.A. in French.

Lower-division requirements (8)

Eight units chosen from	8
FREN 2111 Introduction to the Francophone World	
FREN 2112 Introduction to French Media	
FREN 2113 Introduction to Reading & Interpretation	
FREN 2114 Introduction to French Culture	

Upper-division requirements (13)

FREN 3000 Enhancing Your French	1
FREN 3111 Approaches to French Literature	3
FREN 3112 From Cannes to Cameroon: Francophone Cinema and Culture	3
FREN 3113 Geographies of Identity: Francophone Cultures in Context	3
FREN 3114 Paris: Cultural and Historical Capital	3

Activity course requirements (3)

A total of 3 units from the following courses (either 3150 or 3160 will be taken twice)	3
FREN 3150 French Conversation Lab	
FREN 3160 French Writing Lab	

Concentration (12-24)

Students must satisfy the requirements of one of the concentrations 12-24 listed below:

Total Units	36-48
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Concentrations (12-24 units)

French Studies Concentration (12 units)

Twelve units of electives chosen from: (12)	12
FREN 3320 French Translation	
FREN 3550 French Phonetics	
FREN 4150 Interconnections: French Literature and Ideas	
FREN 4250 French Fêtes: Music, Cuisine and the Arts	
FREN 4350 Intersections: Topics in French Civilization	
FREN 4450 French Means Business	
FREN 4550 Introduction to French Linguistics	
FREN 3701 Study Abroad	
FREN 3702 Study Abroad	
FREN 3703 Study Abroad	
FREN 3704 Study Abroad	
Total Units	12

French Language and Cultures Concentration (24 units)

Twenty-four units of electives chosen from: (24)	24
FREN 3320 French Translation	
FREN 3550 French Phonetics	
FREN 4150 Interconnections: French Literature and Ideas	
FREN 4250 French Fêtes: Music, Cuisine and the Arts	
FREN 4350 Intersections: Topics in French Civilization	
FREN 4450 French Means Business	
FREN 4550 Introduction to French Linguistics	
FREN 3701 Study Abroad	
FREN 3702 Study Abroad	
FREN 3703 Study Abroad	
FREN 3704 Study Abroad	
Total Units	24

Students may complete no more than 21 units of the required coursework for the B.A. in French through courses taught at other institutions or through CSU International Programs. FREN 3000 may only be completed at CSUSB. For both concentrations, no more than 4 Study Abroad units--i.e. units from FREN 3701, FREN 3702, FREN 3703 or FREN 3704 --may count towards the major.

Bachelor of Arts in Geography

GEOG 4860	GIS and Socio-Economic Applications
GEOG 4870	Environmental GIS
GEOG 4880	Remote Sensing of the Environment

Total Units

40

Requirements (40 units)

Total units required for graduation: 120

Requirements for the B.A. in Geography

(Program Code: GEOG)

Lower-division requirements (11)

GEOG 1010	Introduction to Human Geography	3
	or GEOG 1650 World Regions and Peoples	
GEOG 1030	Physical Geography	3
GEOG 1030L	Physical Geography Laboratory	1
GEOG 2250	Introduction to Geographic Information Systems and Cartography	4

Upper-division requirements (29)

GEOG 3020	Social Geography	3
GEOG 3040	Urban Geography	3
GEOG 3050	Economic Geography	3
GEOG 5000	Senior Seminar	2
Global and Regional Geography (Minimum of 9 units required)		9

SSCI 3000	Global Issues and Perspectives
	or SSCI 300 Global Issues and Perspectives
GEOG 3030	Cultural Geography
GEOG 3045	Global Cities and Urban Environment
GEOG 3060	Political Geography
GEOG 3065	Migration and Borderlands
GEOG 4050	Geography of California
GEOG 4055	US-Mexico Border Region
GEOG 4060	Emerging World Regions
GEOG 4070	Advanced World Regions
GEOG 4450	Globalization and Identity

Environmental Geography (Minimum of 6 units required)		6
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GEOG 3300	Weather and Climate
GEOG 3500	Conservation and Natural Resources
GEOG 3501	Environmental Sustainability
GEOG 3520	Environmental Inquiry and Education
GEOG 3701	Environmental Policy and Impact Assessment
GEOG 4250	Watershed Hydrology and Management
GEOG 4300	Biogeography
GEOG 4360	Climate Change
GEOG 4400	Geomorphology
GEOG 4651	Coastal Resources Management
GEOG 4710	Water Wars
GEOG 4750	Ecosystem Assessment

Spatial Techniques (Minimum of 3 units required)		3
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GEOG 3018	Geographic Statistics and Research Methods
GEOG 3710	Advanced Geographic Information Systems
GEOG 3730	Geo-Spatial Analysis
GEOG 4850	Web GIS

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Bachelor of Arts in Geology

The B.A. in Geology, General Geology Concentration is recommended for students planning a career in public service and education (e.g. government agencies, park rangers and K-12 science teaching), non-profit or non-governmental environmental organizations, or pre-environmental law. This Concentration has maximum elective flexibility to produce an experience tailored to the needs of the student.

The B.A. in Geology, Field and Applied Geology Concentration is recommended for students planning to become professional geologists employed by environmental and geo-technical firms, governmental agencies, oil and mining companies, and for those students planning to pursue a graduate degree in geology. Emphasizing field and applied geology courses, and experiential learning, this program is designed to permit students to meet existing requirements for Professional Licensing.

Geology majors must earn a grade of "C-" (1.7) or better in all required geology courses for those courses to satisfy the degree requirements for a B.A. degree in Geology. No more than 3 units of elective may be from supervision courses. At least 3 units of elective must be from GEOL courses. Students may not earn credit for both concentrations.

Requirements (69-75 units)

Total units required for graduation: 120

Requirements for the B.A. in Geology

Lower-division requirements (22-25)

Choose one of the following courses, with laboratory 4-5

CHEM 2050	Survey of General Chemistry
CHEM 2050L	Survey of General Chemistry Laboratory
CHEM 2100	General Chemistry I
CHEM 2100L	General Chemistry I Laboratory

Choose one from the following (fulfills GE category B4) 3-4

MATH 1401	Accelerated Preparation for Calculus
MATH 1601	Modeling with Calculus (If MATH 1401 or equivalent is not taken in preparation for MATH 1601, students must also take the 1-unit course MATH 1###: A Short Course in Trigonometry.)
MATH 2210	Calculus I

Choose one of the following courses, with laboratory 4-5

PHYS 1000	Physics in the Modern World
PHYS 1000L	Physics in the Modern World Lab
PHYS 2000	Introduction to Physics I
PHYS 2000L	Introduction to Physics I Lab
PHYS 2500	General Physics I
PHYS 2500L	General Physics I Lab

Choose one of the following courses: 3

GEOL 1000	Introductory Geology
GEOL 1020	Plate Tectonics: Key to Understanding Earthquakes, Volcanoes and Tsunami
GEOL 1060	Environmental Geology and Geological Hazards

Choose one of the following laboratories: 1

GEOL 1000L	Introductory Geology Laboratory
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GEOL 1060L	Environmental Geology and Geological Hazards Laboratory	
GEOL 2000	Interpreting Earth Systems History: Stories from an Ancient Planet	4
GEOL 2500	Geology of California	3

Upper-division requirements (34)

GEOL 3100	Introduction to Geologic Mapping	3
GEOL 3200	Mineralogy	5
GEOL 3220	Introduction to Geochemistry	4
GEOL 3240	Igneous and Metamorphic Petrology	4
GEOL 3300	Sedimentary Geology: Principles and Applications	4
GEOL 3600	Structural Geology	4
GEOL 3700	Groundwater Hydrology	3
GEOL 3990	Geological Research Design	3
GEOL 4000	Undergraduate Geological Research	2
GEOL 4900	Senior Seminar	2

Concentration (13-16)

Students must satisfy the requirements of one of the concentrations 13-16 listed below.

Total Units 69-75

Concentrations (9-15 Units)

General Geology Concentration (9 units)

(Program Code: GEOL)

A minimum of 9 units chosen from the following list after consultation with a faculty advisor. No more than 3 units may be taken from supervision courses. At least 3 units of elective must be from Geology courses. 9

Any 3100-level or above Geology course, not previously used for the degree

GEOL 2500	Geology of California
GEOG 2250	Introduction to Geographic Information Systems and Cartography
GEOG 3730	Geo-Spatial Analysis
GEOG 4400	Geomorphology
GEOG 4870	Environmental GIS

Up to 6 units of 2000-level or above Math, Biology, Chemistry or Physics courses, not previously used for the degree.

Total Units 9

Environmental Geology Concentration (13-15 units)

(Program Code: ENVG)

GEOL 3700	Groundwater Hydrology	3
GEOL 4100	Engineering Geology	4

Choose a minimum of two courses, one from Group A, and one from either Group A or Group B: 6-8

Group A:

GEOL 2500	Geology of California
GEOG 4400	Geomorphology
GEOL 5600	Earth Resources

Group B:

GEOG 2250 Introduction to Geographic Information Systems
and Cartography

GEOL 3750 Field Methods in Hydrology

GEOL 5220 Neotectonics and Seismic Hazard Analysis

GEOL 5400 Environmental Hydrology

GEOL 5620 Site Investigation, Siting, and Case Histories in
Engineering Geology

Total Units

13-15

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Bachelor of Arts in Global Studies

Pending CO Approval

The Bachelor of Arts in Global Studies promotes an understanding of globalization and its impact on human and physical landscapes. Geography serves as the foundational disciplinary lens through which globalization is studied and other disciplinary perspectives supplement this greater understanding of the global system. As globalization has (re)created the spaces and places of the world, it is vital for students to understand the spatial dimension of globalization and its impact on individuals and communities around the world. Students will gain a better understanding how the social, political and economic realms of human life have been impacted by globalization. The program also explores how the interaction between the environment and humans has been and continues to be impacted by globalization.

Requirements (38 to 41 units)

Total units required for graduation: 120

Requirements for the B.A. in Global Studies

Lower Division Core Requirements (12)

GEOG 1010	Introduction to Human Geography	3
GEOG 1650	World Regions and Peoples	3
GEOG 2200	Introduction to Global Studies	3
GEOG 2201	Issues in the Global System	3

Upper Division Core Requirements (12)

Economics and Globalization		
ECON 3105	Political Economy	3
Politics and Globalization		
PSCI 4000	International Politics	3
Social/Cultural Issues and Globalization		
ANTH 3610	Cultural Entanglements and the Global Economy	3
Sustainability and Globalization		
GEOG 3501	Environmental Sustainability	3

Focus Areas - Upper-Division Electives (9-12)

Students are required to select one of the focus areas below and take a minimum of 3 courses from that focus area. The focus areas are: Political-Economics Focus; Social-Cultural Focus; Sustainability Focus; Spatial Analysis Focus; and Regional Studies Focus.

Political-Economics Focus (9 units)

FIN 3555	Business and Asian Culture	
GEOG 3045	Global Cities and Urban Environment	
GEOG 3050	Economic Geography	
GEOG 3060	Political Geography	
GEOG 3900	Emerging Topics in Human Geography	
GEOG 3902	Emerging Topics in Environmental Studies	
GEOG 3903	Emerging Topics in Global Studies	
GEOG 5150	Global Governance and the United Nations System	
PHIL 3001	Philosophy in the World	
PSCI 5000	International Law	

PSCI 5100	International Organization
SSCI 3000	Global Issues and Perspectives
	or SSCI 3001 Global Issues and Perspectives

Social-Cultural Focus (9 units)

COMM 3334	Global Cinema
GEOG 3020	Social Geography
GEOG 3030	Cultural Geography
GEOG 3900	Emerging Topics in Human Geography
GEOG 3903	Emerging Topics in Global Studies
GEOG 3045	Global Cities and Urban Environment
GEOG 4450	Globalization and Identity
SSCI 3000	Global Issues and Perspectives
	or SSCI 3001 Global Issues and Perspectives

Sustainability Focus (9 units)

ANTH 3607	Environmental Anthropology
GEOG 3500	Conservation and Natural Resources
GEOG 3902	Emerging Topics in Environmental Studies
GEOG 3903	Emerging Topics in Global Studies
PSCI 3420	The Politics of Environment
SSCI 3000	Global Issues and Perspectives
	or SSCI 3001 Global Issues and Perspectives

Spatial Analysis Focus (12 units)

Students selecting this Focus must take:

GEOG 2250	Introduction to Geographic Information Systems and Cartography
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Students selecting this Focus must take 8 additional units from the following list:

GEOG 3710	Advanced Geographic Information Systems
GEOG 3730	Geo-Spatial Analysis
GEOG 3904	Emerging Topics in GIS and Spatial Techniques
GEOG 4850	Web GIS
GEOG 4860	GIS and Socio-Economic Applications
GEOG 4870	Environmental GIS
GEOG 4880	Remote Sensing of the Environment

Regional Studies Focus (9 units)

FREN 3113	Geographies of Identity: Francophone Cultures in Context
FREN 3900	Voices & Visions from the Francophone World
GEOG 3045	Global Cities and Urban Environment
GEOG 3900	Emerging Topics in Human Geography
GEOG 4050	Geography of California
GEOG 4055	US-Mexico Border Region
GEOG 4060	Emerging World Regions
GEOG 4070	Advanced World Regions
HIST 3830	Classical Islamic Civilization
HIST 3840	Modern Middle East
HIST 3900	History of Modern Mexico
PSCI 3000	Western Political Systems
PSCI 3010	African Politics
PSCI 3040	East European Political Systems
PSCI 3050	East Asian Politics
PSCI 3060	Latin American Politics
PSCI 3080	Government and Politics of the Middle East

Culminating Experience - Upper-Division Electives (5)

GEOG 5000	Senior Seminar	2
Three units chosen from the following 5000 level courses:		3
GEOG 5351	Professional Conferences	
GEOG 5352	Professional Conferences	
GEOG 5651	Field Experience	
GEOG 5652	Field Experience	
GEOG 5751	Internship in Geography	
GEOG 5752	Internship in Geography	
GEOG 5753	Internship in Geography	
GEOG 5755	Model United Nations Practicum (Fall Semester MUN Team)	
GEOG 5756	Model United Nations Practicum (Spring Semester MUN Team)	
GEOG 5761	Study Abroad	
GEOG 5762	Study Abroad	
GEOG 5763	Study Abroad	
GEOG 5771	Study Away	
GEOG 5772	Study Away	
GEOG 5773	Study Away	
GEOG 5781	Service Learning in Geography, Global Studies and Environmental Studies	
GEOG 5782	Service Learning in Geography, Global Studies and Environmental Studies	
GEOG 5783	Service Learning in Geography, Global Studies and Environmental Studies	
GEOG 5951	Independent Study	
GEOG 5952	Independent Study	
GEOG 5953	Independent Study	
GEOG 5972	Senior Honors Project - Global Studies	
Total Units		38-41

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Bachelor of Arts in History

Through historical inquiry, students will learn how to confront, contemplate, analyze, evaluate, and present their own assessments of the past. History majors at CSUSB don't just read and write about history, but engage with the past in creative, practical, and innovative ways. In addition to community engagement, and through diverse course offerings that span different periods and places, students will not only gain a new understanding of their local and global communities, they will also be well prepared for a multitude of career opportunities, including, but not limited to, education, government, law, public history, business, and media. Applying new and dynamic methods of history, our students learn vital skills that can be applied in the marketplace.

Students majoring in the Bachelor of Arts in History are also eligible to receive honors in history at graduation if the following conditions are met:

1. At least one-half of the course work required in the major is completed at this university;
2. Earned a grade point average of at least 3.5 in the major, including courses for the major taken elsewhere;
3. Earned an overall undergraduate grade point average of 3.0 ("B") or better;
4. Successful completion of HIST 5970, resulting in a thesis paper.

Applications for honors candidacy must be made by the beginning of the senior year. Approval of candidacy and of the honors project and project advisor rests with the department. The project advisor and one other faculty reader from the department will have the responsibility for evaluation of the completed thesis paper.

Requirements (48-54 units)

Total units required for Graduation: 120

Requirements for the B.A. in History

Core courses (18)

HIST 1400	World History to c. 1500	3
or ANTH 1400	World History to c. 1500	
HIST 1440	World History from c. 1500	3
HIST 2000	United States History to 1877	3
HIST 2010	United States History, 1877 to the Present	3
HIST 5840	Proseminar in History	3
HIST 5850	Research Seminar in History	3

A minimum of three upper division units chosen from five of the following seven areas: (15)

Ancient History

HIST 3200	History of Ancient Greece
HIST 3210	History of Rome
HIST 3380	Ancient Egyptian Art
HIST 3390	Culture and Society in Ancient Egypt
HIST 4260	Ancient and Early Imperial China
HIST 4520	Ancient Egyptian History, Origins to c. 1700 B.C.E.
HIST 4530	Ancient Egyptian History, c. 1700 B.C.E. to 1000 B.C.E.

HIST 4540 Ancient Egypt, c. 1000 B.C.E. to 495 C.E.

HIST 4800 History of Christianity I

African History

HIST 3380 Ancient Egyptian Art

HIST 3390 Culture and Society in Ancient Egypt

HIST 3860 Africa to 1870

HIST 3870 Africa 1870 to Present

HIST 3880 The Rise, Decline and Legacy of Apartheid South Africa

HIST 3890 Images of Africa

HIST 4490 Gender and Development in Africa

HIST 4500 History of Southern Africa

HIST 4510 The History of Health and Medicine in Africa

HIST 4520 Ancient Egyptian History, Origins to c. 1700 B.C.E.

HIST 4530 Ancient Egyptian History, c. 1700 B.C.E. to 1000 B.C.E.

HIST 4540 Ancient Egypt, c. 1000 B.C.E. to 495 C.E.

Asian History

HIST 4260 Ancient and Early Imperial China

HIST 4280 Medieval China

HIST 4290 Modern China I, 1644-1911

HIST 4310 Modern China II, 1911-Present

HIST 4330 Modern Chinese History in Fiction and Film

HIST 4350 World War II in the Pacific

HIST 4400 History of Modern East Asia

HIST 4560 Mughal India and the Early Modern World

HIST 4570 Modern India at the Crossroads of Empire

HIST 4580 Gandhi: Life and Legacy

HIST 4590 Media Cultures of the Indian Subcontinent

European History

HIST 3050 Ancient and Medieval Europe to the Renaissance (required for students in the pre-credential concentration)

HIST 3060 European History from the Renaissance to the Present (required for students in the pre-credential concentration)

HIST 3200 History of Ancient Greece

HIST 3210 History of Rome

HIST 3350 Modern Ireland

HIST 4000 Early Medieval Europe

HIST 4010 High Medieval Europe

HIST 4020 Renaissance and Reformation

HIST 4030 The Age of Absolutism and Enlightenment

HIST 4050 Nazi Germany and the Holocaust

HIST 4060 European Intellectual History

HIST 4090 Twentieth Century Europe

HIST 4100 Hitler's Europe

HIST 4810 History of Christianity II

HIST 5000 Tudor and Stuart England

HIST 5010 Britain, 1688-1901

HIST 5030 Europe Since 1945

HIST 5350 Studies in European National History

Latin American History

HIST 3900	History of Modern Mexico
HIST 4650	Modern Central America
HIST 4660	Foreign Relations of Latin America
HIST 4670	Latin American History Through Film
HIST 4690	Colonial Latin America
HIST 4700	Modern Latin America
Middle Eastern History	
HIST 3830	Classical Islamic Civilization
HIST 3840	Modern Middle East
HIST 4850	Arab-Israeli Conflict
HIST 4860	Modern Iran
HIST 4870	Topics in Modern Middle Eastern History
HIST 4910	Nationalism and Conflict in the Middle East
HIST 4920	U.S. Media and the Middle East
HIST 4930	Iran-U.S. Relations
HIST 4950	Politics of Oil
United States History	
HIST 3400	African-American History, 1620-1865
HIST 3410	African-American History, 1865-Present
HIST 3420	American Indian History
HIST 3450	Women in U.S. History, 1607-Present
HIST 3460	Women in the Black Freedom Movement
HIST 3500	The American Colonies, 1607-1783
HIST 3510	The Evolution of American Democracy, 1783-1840
HIST 3540	Civil War and Reconstruction
HIST 3560	The United States, 1877-1917
HIST 3570	The United States, 1917-1945
HIST 3580	United States in World War II
HIST 3590	United States History, Cold War Era
HIST 3600	American History Through Film
HIST 3610	Chicana/o History Through Film
HIST 3620	LGBT History
HIST 3680	The United States, 1960s
HIST 3700	History of California (required course in pre-credentialed concentration, does not count in the core for pre-credentialed students)
HIST 3710	California Indian History
HIST 3910	Chicana/o History
HIST 4180	Early American Biography
HIST 4220	20th Century Americans
HIST 5400	Constitutional History of the United States
HIST 5410	U.S. Citizenship and the Law
HIST 5560	Foreign Relations of the United States
HIST 5600	History of the American West
HIST 5610	Gender, Sex, and Conquest in the American West
HIST 5640	Chicana/Mexicana Feminisms
HIST 5650	Immigration and Ethnic American History
HIST 5680	History of the U.S. - Mexico Borderlands

Concentration (15-21)

Students must complete one of the concentrations listed below	15-21
Total Units	48-54

Concentrations (15-21)**General Concentration (15 units)**

Fifteen additional units of upper division History courses which must fulfill an area of focus either in thematic interests, temporal, or geographic focus. Students will develop their area of focus in consultation with a faculty advisor. (15)

Geographic Focus. History majors can choose areas such as Africa, Asia, Europe, Latin America, or the United States.

Thematic Focus. History majors can trace themes such as cultural history, community engagement, political history, colonialism, gender, ethnicity/race, or class.

Temporal Focus. Students can study a single period such as the Middle Ages, or the Early Modern World (c1400-1800), or Modern World (1800-Present).

Total Units	15
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Pre-credentialed Concentration (21 units)

HIST 3700	History of California	3
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Student must select 3 units from:	3
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HIST 3500	The American Colonies, 1607-1783
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HIST 3510	The Evolution of American Democracy, 1783-1840
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HIST 3540	Civil War and Reconstruction
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HIST 3560	The United States, 1877-1917
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HIST 3570	The United States, 1917-1945
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HIST 3580	United States in World War II
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HIST 3590	United States History, Cold War Era
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HIST 5400	Constitutional History of the United States
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Three units chosen from:	3
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HIST 3400	African-American History, 1620-1865
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HIST 3410	African-American History, 1865-Present
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HIST 3420	American Indian History
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HIST 3450	Women in U.S. History, 1607-Present
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HIST 3460	Women in the Black Freedom Movement
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HIST 3620	LGBT History
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HIST 3710	California Indian History
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HIST 3910	Chicana/o History
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HIST 5650	Immigration and Ethnic American History
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GEOG 1010	Introduction to Human Geography	3
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ECON 2201	Principles of Microeconomics	3
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ECON 2202	Principles of Macroeconomics	3
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HIST 3010	Teaching History	3
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In order to satisfy the Single Subject Social Sciences CSET Waiver students are required to obtain advisory approval and complete HIST 5700

Total Units	21
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Bachelor of Arts in Liberal Studies

Please consult the Liberal Studies Programs Coordinator to learn which courses fulfill multiple graduation requirements.

Basic Program (97-111)	97-111
Group A: Reading, Language, and Literature	
Group B: History and Social Science	
Group C: Mathematics	
Group D: Science	
Group E: Visual and Performing Arts	
Group F: Physical Education and Health	
Group G: Human Development	
Group H: Additional General Education (GE) Requirements	
Group I: Additional Liberal Studies Requirements	
Concentration (12-34)	12-34
Group J: General Concentration (12-21 units)	
Group J: Spanish Studies Concentration (13 units)	
Group J: Integrated (credential) Concentration (34 units)	
Total Units	109-145

All Liberal Studies students should give special attention to the following points before they begin their course work:

1. Since Liberal Studies contains a variety of programs, students should seek consultation as early as possible in the Liberal Studies Office in CE-114.
2. By completing a Liberal Studies General Program, students also fulfill the general education requirements of the university.
3. Grades in lower division courses (2999 and below) must be a "C-" or better
4. Grades in upper divisions courses (3000 and above) must be a "C" or better.
5. Some courses can be counted towards multiple requisites so be sure to consult with PALS upon admission and frequently thereafter - ideally, at least once a semester.
6. Assessments are a required component of the Liberal Studies - General Program and are found under category I. All entering freshmen and transfer students must enroll in CAL 1970 during one of their first two semesters of enrollment at CSUSB. Students must enroll in CAL 4970 or CAL 5970 in either of their last two semesters before graduation.
7. All graduating Liberal Studies students must maintain a grade point average of at least 2.0 ("C"). Students who plan to seek their Multiple Subject Teaching Credential at CSUSB must achieve a minimum GPA of at least 2.67.

Total units (109-118)

Units to graduation: 120

Total units Integrated (credential) Concentration (131-145)

Requirements for the B.A. in Liberal Studies

(Program Code:)

Group A: Reading, Language, and Literature (18 units)

Freshman Composition (G.E.) (3)

Three units chosen from:	3
ENG 1060A	Stretch Composition II
ENG 1060B	Stretch Composition II for Multilingual Students
ENG 1070A	First-Year Composition
ENG 1070B	First-Year Composition for Multilingual Students
HON 1100	Writing Rhetorically

Oral Communication (3)

Three units chosen from:	3
COMM 1006	Oral Communication
HON 1300	Communicating Orally

Lower Division Literature (3)

Three units chosen from:	3
ENG 1120	Speculative Fiction: Science Fiction, Horror, Fantasy
ENG 1200	Multi-Ethnic American Literature
ENG 1210	Diversity Literature and Social Justice
ENG 1700	Studies in Literature and Creative Writing
ENG 2180	The Function of Stories
TA 1160	World Drama
TA 2612	Oral Interpretation of Literature

Analysis of Literature (3)

Three units chosen from:	3
ENG 3010	Analysis of Poetry and Drama
ENG 3030	Analysis of Fiction and Nonfiction Prose
ENG 3230	Chicana/o Literature (Spanish Studies Concentration Only)
ENG 3260	Caribbean Literature (Spanish Studies Concentration Only)
PHIL 3005	Philosophical Questions in Literature
TA 3602	Dramatic Analysis and Playwriting for Teachers

Linguistics (3)

ENG 3110	Introduction to Linguistics ¹	3
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Children's Literature (3)

Three units chosen from:	3
ENG 3200	Literature for Children and Young Adults
PHIL 3005	Philosophical Questions in Literature *
TA 4664	Theatre for Youth: History and Literature

Total Units 18

* **Variable Topic:** This course fulfills the requirement only when the course topic is Children's Literature or Young Adult Literature.

¹ Students must maintain a "C" or better in this course.

Group B: History and Social Science (18 units)

World Civilization I (G.E.) (3)

Three units chosen from: 3

ANTH 1400 World History to c. 1500

HIST 1400 World History to c. 1500

World Civilization II (3)

HIST 1440 World History from c. 1500 3

American Civilization (G.E.) (3)

Three units chosen from: 3

HIST 1460 History of the United States: Pre-Colonization to Present

HIST 1460H Honors History of the United States: Pre-Colonization to Present

American Government (G.E.) (3)

Three units chosen from: 3

PSCI 2030 Government of the United States

PSCI 2030H Government of the United States--Honors

California History & Economics (3)

Three units chosen from: 3

HIST 2700 California History

ECON 3199 Economics in the Elementary and Middle School

Geography (3)

Three units chosen from: 3

GEOG 3605 Geography in the Elementary and Middle School Classroom

GEOG 3520 Environmental Inquiry and Education **

Total Units 18

** GEOG 3520 also fulfills Earth and Space Science requirement for (D) Science.

Group C: Mathematics (12 units)

Ideas of Mathematics (G.E.) (3)

Three units chosen from: 3

MATH 1201 Introduction to Statistical Thinking

MATH 1203 Stretch Introduction to Statistical Thinking B

Fundamental Concepts of Mathematics for Educators (9)

MATH 3011 Mathematical Concepts and Problem Solving for Educators I 3

MATH 3012 Mathematical Concepts and Problem Solving for Educators II 3

MATH 3013 Mathematical Concepts and Problem Solving for Educators III 3

*Recommended, but not required: (0)

MATH 3011L Number Sense Lab for Educators

MATH 3012L Proportional Reasoning Lab for Educators

MATH 3013L Algebra and Geometry Lab for Educators

Total Units 12

Note: All MATH courses must be passed with a grade of "C" or better.

Group D: Science (16-19 units)

Life Sciences (G.E.) (4)

Completion of four units chosen from Option A or Option B: 4

Option A

BIOL 1010 Biology for Teachers

or

Option B

BIOL 1000 Introduction to Biology

and

BIOL 1000L Introduction to Biology Lab

Physical Science (G.E.) and Earth and Space Science (12-15)

Completion of Option A or Option B: 12-15

Option A (12 units)

CHEM 1000 Introduction to Chemistry

CHEM 1000L Introduction to Chemistry Laboratory

or CSE 111C Data Analysis Laboratory Using Spreadsheets

(CHEM 1000L must be taken concurrently with CHEM 1000.

CSE 1110L does not need to be taken concurrently with CHEM 1000.)

PHYS 3040 Physics and Astronomy in the Classroom

GEOL 3090 Earth: The Blue Planet

or GEOG 3520 Environmental Inquiry and Education

or

Option B (15 units)

CHEM 1000 Introduction to Chemistry

CHEM 1000L Introduction to Chemistry Laboratory

or CSE 1110 Data Analysis Laboratory Using Spreadsheets

(CHEM 1000L must be taken concurrently with CHEM 1000.

CSE 1110L does not need to be taken concurrently with CHEM 1000.)

PHYS 1000 Physics in the Modern World

PHYS 1000L Physics in the Modern World Lab

ASTR 3000 Life in the Cosmos

GEOL 3090 Earth: The Blue Planet

or GEOG 35 Environmental Inquiry and Education

Total Units 16-19

** GEOG 3520 also fulfills the Geography requirement for (B) History and Social Science.

Group E: Visual and Performing Arts (14-15 units)

Dance Standards (3)

Three units chosen from: 3

TA 4440 Creative Movement in the Classroom ***

TA 4451 Arts in Action: Dance

Media Arts Standards (2-3)

One course chosen from: 2-3

ART 1130 3D Foundation: Form, Space & Time

ART 1140 Creative Technology for Artists

ART 1200 Creativity, Imagination, and the Consciousness

ART 2240 Beginning Imaging and Illustration

ART 2260 Beginning Photography

ART 3000	Art and Activism
ART 3001	Innovator's ToolBox - An Introduction to Creative Problem Solving and Design Thinking.
ART 3710	Video Art
ART 4520	Leadership and Engagement in the Arts
ART 4530	Art Writing
COMM 1000	Critical Media Literacies: News, Entertainment, and Participatory Culture
COMM 2301	Newswriting and Reporting
COMM 2351	Television Studio Production
COMM 2391	Practicum in Multimedia Journalism: Coyote Chronicle
COMM 2392	Practicum in Digital Audio and Radio: Coyote Radio
COMM 3371	Multimedia Journalism
ENG 5430A	Literary Production I
ENG 5430B	Literary Production II
MUS 2266	Creating digital Media Using Personal Electronic Technology

Music Standards (3)

Three units chosen from:	3
MUS 4100	Music in the Elementary Schools
MUS 4110	Teaching Music in Secondary Schools
MUS 4455	Arts in Action: Music

Theatre Arts Standards (3)

Three units chosen from:	3
TA 1141	Improvisation
TA 4320#	Touring Theatre for Youth
TA 4450	Arts in Action: Theatre
TA 4410	Drama in Education
TA 4486#	Puppetry in Education
TA 4430	Puppetry
TA 3410	Theatre in the Classroom

Visual Arts Standards (3)

Three units chosen from:	3
ART 2395	Art in the Classroom
ART 3400	Art and Social Action: Critical and Pedagogical Theories
ART 4450	Arts in Action: Visual Art
ART 5499	Methodologies in Art Education
Total Units	14-15

*** TA 4440 also fulfills Movement Skills requirement for (F) Physical Education and Health.

Group F: Physical Education and Health (3-5 units)

Completion of Option A or Option B:	3-5
Option A	
KINE 3520	Movement for Children
or	
Option B	
TA 4440	Creative Movement in the Classroom ***

and	
HSCI 1000	Concepts in Health
Total Units	3-5

*** TA 4440 also fulfills the Dance Standards requirement for (E) Visual and Performing Arts.

Group G: Human Development (6-9 units)

Child Development (3-6)

Completion of Option A, Option B or Option C:	3-6
Option A	
EDMS 3010	Growth and Development in Socio-Educational Contexts †
or	
Option B	
CD 2240	Introduction to Child Development
AND three units to be taken concurrently with or the semester immediately after CD 2240 chosen from:	
CD 2246	Observation and Methods: School Age Development
EDMS 3011	Observational Methods and Data Collection in School Contexts

or

Option C	
ENG 3310	Child Language and Literacy Development
Completion of either Option A or Option B is required for admission into CSUSB's credentialing program	

Exceptional Child (3)

Three units chosen from:	3
PSYC 3350	Development of Exceptional Children
ESPE 3350	Introduction to Special Populations for General Education Teachers
Total Units	6-9

† EDMS 3010 is an undergraduate requirement for CSUSB's ITEP (Integrated Teacher Education Program).

Group H: Additional General Education Requirements (9 units)

Critical Thinking (G.E.) (3)

Three units chosen from:	3
COMM 1007	Critical Thinking Through Argumentation
PHIL 1005	Critical Thinking Through Argument Analysis
PHIL 2100	Critical Thinking Through Symbolic Logic
PHIL 3001	Philosophy in the World
CSE 1100	Critical Thinking Through Computer Programming
MATH 1501	Critical Thinking Through Applications of Mathematical Logic
PSYC 1105	Critical Thinking in Everyday Life
SOC 1800	Critical Thinking about Social Issues
HON 1200	Thinking Critically

World Languages and Literature OR International Immersion Experience (G.E.) (3)

Three units chosen from:	3
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Students pursuing the Spanish Studies Concentration must choose one of the following CAL 5763, CAL 5823, SPAN 1112 or SPAN 2900

ASL 1112	American Sign Language II
ARAB 1112	Beginning Arabic 2
ARAB 2900	Arabic Literature in Translation
CAL 5763	International Experience: Latin American Studies
CAL 5783	International Experience: Asian Studies
CAL 5823	International Experience: European Studies
CAL 5843	International Experience: African Studies
CHIN 1112	College Chinese II
CHIN 2900	Chinese Literature in Translation
ENG 5020	English Study Abroad
FREN 1112	Beginning French 2
FREN 2900	French Literature in English
FREN 3701	Study Abroad
FREN 3702	Study Abroad
FREN 3703	Study Abroad
FREN 3704	Study Abroad
JAPN 1112	Beginning Japanese II
JAPN 2900	Japanese Literature in English
JAPN 3701	Study Abroad in Japan
JAPN 3702	Study Abroad in Japan
JAPN 3703	Study Abroad in Japan
KOR 1112	Beginning Korean 2
KOR 2900	Korean Literature in English
SPAN 1112	College Spanish 2 ¹
SPAN 2900	Spanish Literature and Film in English
CAHU 1112	Language Study II: Cahuilla
LUIS 1112	Language Study II: Luiseño
PORT 1112	Language Study II: Portuguese
SERR 1112	Language Study II: Serrano

Upper Division Social Science (G.E.) (3)

Three units chosen from:	3
ANTH 3603	Gendered Worlds: Power, Difference, and In/equality
COMM 3305	Digital Media and Society
GEOG 5150	Global Governance and the United Nations System
GSS 4200	Feminist Theory
GSS 4500	Queer Theory
HON 3200	Social Sciences and Natural Sciences
HON 3300	Social Science and the Humanities
PA 3150	Society, Business, & Global Governance
SOC 3410	The African American Family
SOC 4420	The Latino Experience in the U.S.
SSCI 3000	Global Issues and Perspectives
SSCI 3001	Global Issues and Perspectives
SSCI 3010	Revolutions and Revolutionary Ideas
SSCI 3011	Revolutions and Revolutionary Ideas
SSCI 3160	Race and Racism
SSCI 3250	Perspectives on Gender
SSCI 3320	Understanding Capitalism

SSCI 3390 Climate Change

Total Units 9

¹ A placement test must be taken prior to registering for SPAN 1112. For more information about the Spanish Placement Test or offerings in foreign languages, contact the Department of World Languages and Literatures (909) 537-5847, UH-314.

Group I: Additional Liberal Studies Requirements (6 units)

Assessment (4)

CAL 1970	Liberal Studies: Introduction and Assessment Preparation ²	2
CAL 4970	Liberal Studies: Non-Integrated Senior Assessment ³	2
or CAL 5970	Liberal Studies: Integrated Senior Assessment	

Classroom Experiences (2)

EDMS 2301	Introduction to Education [†]	2
Total Units		6

² CAL1970 must be taken during one of the first two semesters of enrollment at CSUSB.

³ CAL 4970/5970 to be taken in either of the last two semesters before graduation.

[†] EDMS 2301 is an undergraduate requirement for CSUSB's ITEP (Integrated Teacher Education Program).

Concentrations (12-34 units)

General Concentration (12-21 units)

The Liberal Studies General Program is designed especially for students who wish to enter K-8 school teaching.

Arabic Specialty (12 units)

6 units chosen from	6
ARAB 3111	Arab Culture, Media and Identity
ARAB 3112	Explorations of Arabic Literary Texts
ARAB 3113	Spoken Arabic
ARAB 3114	Introduction to Arabic Linguistics
And 6 units chosen from	6
ARAB 3115	Introduction to Arabic Translation
ARAB 3116	Explorations in Arabic Media
ARAB 3117	Advanced Arabic for Professional Communication
ARAB 3900	Female Voices in Arab American Literature
ARAB 4112	Advanced Readings in Arabic
ARAB 4113	Arabic Pedagogy
ARAB 4900	Voices and Visions from the Arab World
Total Units	12

*Art History Specialty (15 units)

AH 1222	Art History Foundations 2	3
AH 1103	Art History Methodologies 1	3
or AH 1104	Art History Methodologies 2	
AH 3210	Visualizing Gender, Performing Identity	3
AH 3250	Topics and Themes of Art History and Exhibitions	3

AH 4250	Art History Seminar	3
Total Units		15

Art Service Learning Specialty (12 units)

12 units chosen from		12
ART 4450	Arts in Action: Visual Art	
ART 4460	Art and Human Development	
ART 4520	Leadership and Engagement in the Arts	
ART 4551	Community-based Art Practicum	
ART 4552	Arts in Corrections Practicum	
Total Units		12

Communication Specialty (12 units)

COMM 2101	Introduction to Communication Studies	3
COMM 3101	Communication, Self, and Others	3
COMM 3102	Media, Culture, and Society	3
COMM 4102	Ethical Aspects of Communication	3
Total Units		12

English Creative Writing Specialty (12 units)

Twelve units chosen from any ENG Creative Writing course 3000 or above, not taken to fulfill any degree requirement elsewhere in Groups A-H.

English Linguistics Specialty (12 units)

Twelve units chosen from any ENG Linguistic course 3000 or above, not taken to fulfill any degree requirement elsewhere in Groups A-H.

English Literature Specialty (12 units)

Twelve units chosen from any ENG Literature course 3000 or above, not taken to fulfill any degree requirement elsewhere in Groups A-H.

English Rhetoric and Composition Specialty (12 units)

Twelve units chosen from any ENG Rhetoric or Composition course 3000 or above, not taken to fulfill any degree requirement elsewhere in Groups A-H.

French Specialty (12 units)

Courses numbered 2111 or above (except 2900 and 3900) are allowable, the following are suggested courses		12
FREN 2111	Introduction to the Francophone World	
FREN 2112	Introduction to French Media	
FREN 2113	Introduction to Reading & Interpretation	
FREN 3000	Enhancing Your French	
FREN 3150	French Conversation Lab	
FREN 3550	French Phonetics	
Total Units		12

*Interdisciplinary Fine Arts Specialty (21 units)

Must take		
ART 2395	Art in the Classroom	3
ART 4450	Arts in Action: Visual Art	3
or MUS 4455	Arts in Action: Music	
or TA 4450	Arts in Action: Theatre	

or TA 4451	Arts in Action: Dance	
MUS 4100	Music in the Elementary Schools	3
TA 3410	Theatre in the Classroom	3
TA 4440	Creative Movement in the Classroom	3
3 units chosen from		3

ART 5499	Methodologies in Art Education	
MUS 4110	Teaching Music in Secondary Schools	
TA 4320	Scenic Crafts	
TA 4410	Drama in Education	
TA 4430	Puppetry	

Or additional Arts in Action course not chosen above

ART 4450	Arts in Action: Visual Art	
or MUS 4455	Arts in Action: Music	
or TA 4450	Arts in Action: Theatre	
or TA 4451	Arts in Action: Dance	

Will also count for Lower Division Literature in Group A.

TA 1160	World Drama	3
or TA 2612	Oral Interpretation of Literature	

Total Units		21
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*Japanese Specialty (14 units)

6 units chosen from		6
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JAPN 3111	Japanese Communication	
JAPN 3112	Japanese Media	
JAPN 3113	Business Japanese	
JAPN 3114	Japanese Literature	

2 units chosen from		2
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JAPN 3150	Japanese Conversation Lab	
JAPN 3160	Japanese Writing Lab	

6 units chosen from		6
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JAPN 2100	Japanese Calligraphy	
JAPN 3100	Analysis of Japanese Culture through Film	

Total Units		14
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*Philosophy Specialty (15 units)

PHIL 1010	Introduction to Philosophical Problems	3
PHIL 2100	Critical Thinking Through Symbolic Logic	3
PHIL 3001	Philosophy in the World	3

3 units chosen from		3
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PHIL 3210	Ancient Philosophy	
PHIL 3310	Ethics	
PHIL 3330	Social and Political Philosophy	

3 units chosen from		3
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PHIL 3250	Early Modern Philosophy	
PHIL 3510	Theory of Knowledge	
PHIL 3550	Metaphysics	
PHIL 3580	Philosophy of Language	

Total Units		15
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Spanish Specialty (12 units)

SPAN 3301	Advanced Spanish Language and Composition	3
SPAN 3303	Introduction to Literature in Spanish Speaking World	3
SPAN 3305	Applied Spanish Grammar	3
Three units chosen from:		3
SPAN 3307	Cultures of Spain	
SPAN 3309	Cultures of Spanish America	
Total Units		12

Theatre Education Specialty (12 units)

3 units chosen from		3
TA 1141	Improvisation	
TA 1631	Makeup for Stage and Screen	
TA 2131	Fundamentals of Stage Design	
TA 2640	Acting for All Majors	
TA 2660	Introduction to Theatre	
3 units chosen from		3
TA 3602	Dramatic Analysis and Playwriting for Teachers	
TA 4664	Theatre for Youth: History and Literature	
TA 3647	Playwriting	
3 units chosen from		3
TA 3410	Theatre in the Classroom	
TA 4320	Scenic Crafts	
TA 4410	Drama in Education	
TA 4430	Puppetry	
TA 4440	Creative Movement in the Classroom	
3 units chosen from		3
TA 4450	Arts in Action: Theatre	
TA 4451	Arts in Action: Dance	
Total Units		12

Gender and Sexuality Studies Specialty (12 units)

6 units chosen from		6
GSS 1000	Introduction to Women's Studies	
GSS 1010	Introduction to Masculinity Studies	
GSS 1020	Introduction to Transgender Studies	
GSS 1030	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies	
6 units chosen from		6
GSS 4200	Feminist Theory	
GSS 4250	Women as Agents of Social Change	
GSS 4500	Queer Theory	
Total Units		12

Pedagogical Studies Specialty (12 units)

This concentration is only available to those students who have been previously admitted to CSUSB's credentialing program

12 units chosen from		12
EDMS 4100	Psychological Foundations of Education	
EDMS 4101A	Language Arts Teaching and Learning	

or EDMS 4101B	Language Arts Teaching and Learning in Bilingual Settings	
EDMS 4102	Pedagogical Foundations for Teaching English Learners	
EDMS 4103	Creating Supportive and Engaging Learning Environments	
EDMS 5104	Mathematics Teaching and Learning	
EDMS 5106A	Social Studies and the Arts Teaching and Learning	
or EDMS 5106B	Social Studies and the Arts Teaching and Learning in Bilingual Settings	
EMAT 5100	Technology and Instructional Practices for Educators	
EMAT 5101	Education, Diversity and Social Justice	
Total Units		12

Special Education Specialty (12 units)

ESPE 3350	Introduction to Special Populations for General Education Teachers	3
ESPE 5514	Language Development in Diverse Learners	3
ESPE 5530	Introduction to Special Education	3
ESPE 5531	Methods and Procedures in Special Education	3
Total Units		12

***Biology Specialty (14+ units)**

Courses for the Biology Concentration can be chosen from any listed in the bulletin with the exception of BIOL 1000, BIOL 1010, courses used to fulfill GE categories, and BIOL 3091 and BIOL 3092.

The following are recommended

CHEM 2100	General Chemistry I	4
BIOL 2010	Principles of Biology I	5
BIOL 2020	Principles of Biology II	5
Total Units		14

Chemistry Specialty (12 units)

CHEM 2050	Survey of General Chemistry	3
CHEM 2050L	Survey of General Chemistry Laboratory	1
CHEM 2060	Survey of Organic and Biochemistry	4
CHEM 2060L	Survey of Organic and Biochemistry Lab	1
3 units chosen from		3
CHEM 3000	History of Science and Technology	
CHEM 3100	Chemistry and the Environment	
Total Units		12

***Computer Science and Engineering Specialty (14 units)**

CSE 1100	Critical Thinking Through Computer Programming	3
CSE 1250	Programming Basics	4
CSE 2010	Computer Science I	4
CSE 4880	Ethics Senior Seminar	3
Total Units		14

***Geology Specialty (14-15 units)**

GEOL 3090	Earth: The Blue Planet	4
GEOL 2000	Interpreting Earth Systems History: Stories from an Ancient Planet	4
GEOL 2500	Geology of California	3
3-4 units chosen from		3-4
GEOL 1020	Plate Tectonics: Key to Understanding Earthquakes, Volcanoes and Tsunami	
GEOL 2040	Water in the West	
GEOL 3020	Natural Disasters	
GEOL 3030	History of Life on Earth	
GEOL 3040	Energy and the Environment	
GEOL 3100	Introduction to Geologic Mapping	
GEOL 3300	Sedimentary Geology: Principles and Applications	
GEOL 3700	Groundwater Hydrology	
Total Units		14-15

Kinesiology (Physical Education) Specialty (12 units)

9 units chosen from		9
KINE 2100	Orientation to Kinesiology	
KINE 2610	Teaching/Coaching Principles for Dance	
KINE 2611	Teaching/Coaching Principles for Gymnastics	
KINE 2612	Teaching/Coaching Principles for Swimming	
KINE 2620	Teaching/Coaching Principles for Combative/Fitness Activity	3
KINE 2630	Teaching/Coaching Principles for Individual/Dual Sport	
KINE 2640	Teaching/Coaching Principles for Team Sports	
KINE 3400	Psychology and Sociology of Human Movement	
KINE 3600	Physical Activity and Aging	
KINE 3810	Sport and Exercise Nutrition	
KINE 4100	Motor Learning and Control	
KINE 4720	Program Design in Physical Education	
KINE 4730	Instructional Strategies in Physical Education	
Total Units		12

Mathematics Specialty (12 units)

Any math course applicable to a BS in Mathematics, Teaching Track that is not required within the Liberal Studies Program may be used in the Concentration.

12 units chosen from		12
MATH 1301	Modeling with Functions	
MATH 1401	Accelerated Preparation for Calculus	
MATH 1601	Modeling with Calculus	
MATH 2265	Statistics with Applications	
MATH 2720	Discrete Mathematics	
MATH 2900	Problem Solving and Mathematical Reasoning for Teachers I	
Total Units		12

***Physics Specialty (13-14 units)**

PHYS 2000	Introduction to Physics I	4
PHYS 2000L	Introduction to Physics I Lab	1
PHYS 2010	Introduction to Physics II	4
PHYS 2010L	Introduction to Physics II Lab	1
Choose one of the following		3-4
ASTR 1000	Introduction to Planetary Astronomy	
Lab optional		
ASTR 1000L	Introduction to Planetary Astronomy Lab	
ASTR 1010	Introduction to Galaxies and Cosmology	
Lab optional		
ASTR 1010L	Introduction to Galaxies and Cosmology Lab	
Total Units		13-14

Geographic Information Systems Specialty (12 units)

GEOG 2250	Introduction to Geographic Information Systems and Cartography	4
GEOG 3710	Advanced Geographic Information Systems	4
GEOG 4880	Remote Sensing of the Environment	4
Total Units		12

Geography Specialty (12 units)

GEOG 3020	Social Geography	3
GEOG 3040	Urban Geography	3
GEOG 3050	Economic Geography	3
3 units chosen from		3
GEOG 4050	Geography of California	
GEOG 4060	Emerging World Regions	
GEOG 4070	Advanced World Regions	
Total Units		12

***Entrepreneurship Specialty (15 units)**

ENTR 3000	Entrepreneurship and Innovation	1.5
ENTR 3003	Experiencing Entrepreneurship	1.5
ENTR 4420	Small Business Management	3
ENTR 5430	Ideation and Creative Problem Solving	3
ENTR 5440	Developing the New Venture	3
ENTR 5980	Reflective Essay	0
TA 3141	The Improvisational Mind	3
Total Units		15

Integrated Concentration (Credential) (34 units)

The Liberal Studies Integrated Program is designed specifically for students who wish to enter K-8 teaching AND who want to save time by working on credential preparation along with their B.A. degree.

Phase I Credentialing

EDMS 4100	Psychological Foundations of Education	3
EDMS 4101A	Language Arts Teaching and Learning	3
or EDMS 4101B	Language Arts Teaching and Learning in Bilingual Settings	

EDMS 4102	Pedagogical Foundations for Teaching English Learners	3
EDMS 4103	Creating Supportive and Engaging Learning Environments	2
EDMS 4107A	Supervised Student Teaching in Multiple Subject I	3
EDMS 4110	Assessment Seminar: CalTPA Cycle 1	2
EDMS 5104	Mathematics Teaching and Learning	3
Total Units		19

Phase II Credentialing

EDMS 4107B	Supervised Student Teaching in Multiple Subject II	3
EDMS 4111	Assessment Seminar: CalTPA Cycle 2	2
EDMS 5105	Science Teaching and Learning	3
EDMS 5106A	Social Studies and the Arts Teaching and Learning	3
or EDMS 5106B	Social Studies and the Arts Teaching and Learning in Bilingual Settings	3
EMAT 5100	Technology and Instructional Practices for Educators	1
EMAT 5101	Education, Diversity and Social Justice	3
Total Units		15

Spanish Studies Concentration (13 units)

A multiple-subject credential candidate can pursue a Spanish Studies Concentration within the Liberal Studies major. This concentration is especially designed for those students interested in teaching English as a second language to children whose first language is Spanish. This concentration also prepares students to work in a bilingual/Spanish classroom setting.

SPAN 3305	Applied Spanish Grammar	3
4 units chosen from		4
SPAN 3301	Advanced Spanish Language and Composition	
SPAN 3302	Advanced Spanish Language and Composition Writing Lab	
or		
SPAN 4401	Spanish for the Professions	
SPAN 4402	Spanish for the Professions Activity	
6 units chose from (at least 3 units must be 3000-level or higher)		6
ANTH 3602	Anthropology of Childhood	
ANTH 3701R	Cultures of Mexico and Central America	
ANTH 3702R	Anthropology of South America	
ANTH 3601	Case Studies in Linguistic Anthropology	
ART 2329	Chicanx Art	
ART 2400	Introduction to Chicanx Art	
CAL 3350	Latinx Border Identity: A Transmedia Perspective	
CAL 5763	International Experience: Latin American Studies	
CAL 5823	International Experience: European Studies	
COMM 4302	Latinx, Media, and Cultures	
GEOG 4055	US-Mexico Border Region	
HIST 3710	California Indian History	
HIST 3900	History of Modern Mexico	
HIST 3910	Chicana/o History	
HIST 4650	Modern Central America	
HIST 4660	Foreign Relations of Latin America	

HIST 4670	Latin American History Through Film	
HIST 4690	Colonial Latin America	
HIST 4700	Modern Latin America	
HIST 5640	Chicana/Mexicana Feminisms	
HIST 5680	History of the U.S. - Mexico Borderlands	
MGMT 4050	Managing Across Borders	
MUS 3510	Latin American Music	
SOC 1100	Latino Communities, Wellness, and Life Skills	
SOC 3420	The Latino Family	
SOC 4420	The Latino Experience in the U.S.	
SOC 4510	Sociology of Migration	
SOC 4530	Citizenship, Status, and Inequality	
SPAN 2112	Intermediate Spanish 2nd. Semester	
SPAN 2252	Intermediate Healthcare Spanish II	
Any 3000+ SPAN course not taken elsewhere to fulfill degree requirements.		
Total Units		13

Bachelor of Arts in Mathematics - Teaching Track

MATH 557	Complex Variables
MATH 570	Course MATH 570 Not Found
MATH 576	Course MATH 576 Not Found
MATH 595D	Course MATH 595D Not Found

Total Units

8

Requirements (89 units)

Total units required for graduation: 180

Requirements for the B.A. in Mathematics - Teaching Track (Program Code: MATT)

Lower-division requirements (0)

MATH 199	Course MATH 199 Not Found
MATH 211	Calculus I
MATH 212	Calculus II
MATH 213	Course MATH 213 Not Found
MATH 241	Course MATH 241 Not Found
MATH 251	Multivariable Calculus I
MATH 252	Multivariable Calculus II
MATH 299	Problem Solving and Mathematical Reasoning for Teachers I

Upper-division requirements (0)

MATH 329	Transformation Geometry
MATH 331	Course MATH 331 Not Found
MATH 345	Number Theory and Proof
MATH 355	Course MATH 355 Not Found
MATH 372	Combinatorics
MATH 399	Course MATH 399 Not Found
MATH 465	Probability Theory
MATH 480	Topics in History of Mathematics
MATH 499	Problem Solving and Mathematical Reasoning for Teachers II
MATH 529	Advanced Topics in Geometry
MATH 545	Abstract Algebra I
MATH 553	Analysis I
MATH 565	Mathematical Statistics
MATH 599	Senior Seminar for Future Mathematics Educators

Electives (8)

Eight units chosen from the following in consultation with an advisor with at least 4 units chosen at the 400-level and above: 8

MATH 270	Elementary Differential Equations
MATH 320	Mathematical Interest Theory
MATH 455	Fourier Analysis
MATH 470	Ordinary Differential Equations
MATH 474	Course MATH 474 Not Found
MATH 485	Differential Geometry
MATH 510	Topics in Mathematics
MATH 531	Advanced Linear Algebra
MATH 546	Abstract Algebra II
MATH 554	Analysis II
MATH 555	Introduction to Point-Set Topology

Bachelor of Arts in Mathematics

The Bachelor of Arts degree program in Mathematics is designed for the student who, upon graduation, will begin a career involving mathematics or plans to pursue graduate studies in mathematics, and is interested in augmenting their foundational mathematics curriculum with a minor in another field or studies in other subjects.

The B.A. in Mathematics requires a total of 52-53 units of coursework; of those, up to 6 units may be selected from courses that count towards the University's General Education requirements in categories A3 and B4, and one course (MATH 3100) counts toward the upper-division writing intensive requirement.

Requirements (52-53 units)

Total units required for graduation: 120

Requirements for the B.A. in Mathematics

(Program Code: MATH)

Lower-division requirements (22-23)

MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2270	Differential Equations with Dynamical Systems I	3
MATH 2310	Applied Linear Algebra	4
MATH 2320	Multivariable Calculus	4
Select one of the following CSE courses:		3-4
CSE 1100	Critical Thinking Through Computer Programming	
CSE 1250	Programming Basics	
CSE 2010	Computer Science I	

Upper-division requirements (15)

MATH 3100	Mathematical Thinking: Communication and Proof	4
MATH 3329	Euclidean Geometry with Transformations	3
MATH 4300	Real Analysis	4
MATH 4600	Theory of Rings and Fields	4

Note: MATH 3100 satisfies the GE upper-division Writing Intensive (WI) requirement.

Electives (15)

Five courses (15 units) selected from the following with at least one course from each of Group A, Group B, and Group C. At least two of the five elective courses must be at the 4000-level or above. 15

Group A:

MATH 3345	Number Theory
MATH 3372	Combinatorics
MATH 3770	Introduction to Graph Theory

Group B:

MATH 2265	Statistics with Applications
MATH 3320	Mathematical Interest Theory
MATH 3460	Probability Theory
MATH 4270	Differential Equations with Dynamical Systems II
MATH 4455	Partial Differential Equations & Fourier Analysis

Group C:

MATH 4485	Differential Geometry
MATH 5170	Complex Analysis
MATH 5310	Advanced Linear Algebra
MATH 5529	Advanced Topics in Geometry
MATH 5550	Introduction to Topology
Group D:	
MATH 3480	Topics in History of Mathematics
MATH 4320	Introduction to Actuarial Modeling
MATH 4360	Linear Statistical Models
MATH 5510	Topics in Advanced Mathematics
MATH 5300	Advanced Real Analysis
MATH 5565	Mathematical Statistics
MATH 5600	Group Theory
MATH 5953	Independent Study
PHIL 3560	Philosophy of Logic and Mathematics
Total Units	52-53

Bachelor of Arts in Music

Any student accepted for admission to CSUSB can declare music as major and pursue the BA in Music degree. Examinations and auditions are available for advanced placement only, not as an entrance requirement.

Applied instruction is available only to declared music majors. Students interested in applied composition (MUS 246 (<http://bulletin.csusb.edu/search/?P=MUS%20246/>)) will be required to complete one year of applied vocal or instrumental music instruction (MUS 140 (<http://bulletin.csusb.edu/search/?P=MUS%20140/>)-MUS 145 (<http://bulletin.csusb.edu/search/?P=MUS%20145/>)) as a prerequisite. Students in applied music technology (MUS 348 (<http://bulletin.csusb.edu/search/?P=MUS%20348/>)) will be required to complete two years of applied vocal or instrumental music instruction. (MUS 140 (<http://bulletin.csusb.edu/search/?P=MUS%20140/>)-MUS 145 (<http://bulletin.csusb.edu/search/?P=MUS%20145/>)) and MUS 240 (<http://bulletin.csusb.edu/search/?P=MUS%20240/>)-MUS 245 (<http://bulletin.csusb.edu/search/?P=MUS%20245/>)) as a prerequisite.

Students may enroll in a maximum of four units at any one collegiate level of applied instruction (MUS 140 (<http://bulletin.csusb.edu/search/?P=MUS%20140/>)- MUS 145 (<http://bulletin.csusb.edu/search/?P=MUS%20145/>), MUS 240 (<http://bulletin.csusb.edu/search/?P=MUS%20240/>)-MUS 246 (<http://bulletin.csusb.edu/search/?P=MUS%20246/>), MUS 340 (<http://bulletin.csusb.edu/search/?P=MUS%20340/>)-MUS 348 (<http://bulletin.csusb.edu/search/?P=MUS%20348/>), or MUS 440 (<http://bulletin.csusb.edu/search/?P=MUS%20440/>)-MUS 448 (<http://bulletin.csusb.edu/search/?P=MUS%20448/>)). After four semesters at one level, students unable to satisfy completion requirements for that level will be counseled to select a major in a different discipline and will be denied enrollment in any higher level of applied instruction.

All students enrolled as full-time music majors in the BA in Music are required to participate each semester until graduation in a major performing ensemble most appropriate to a student's applied emphasis.

Placement in the B.A. in Music is based on:

1. a theory placement examination (proficiency in music fundamentals equal to that of MUS 1100 (<http://bulletin.csusb.edu/search/?P=MUS%201100/>) and MUS 11 (<http://bulletin.csusb.edu/search/?P=MUS%201101/>)),
2. a piano proficiency audition, and
3. an applied music audition (performance proficiency equal to collegiate applied music at the 1400-1450 level.

Requirements (53 units)

Total units required for graduation: 120

Requirements for the B.A. in Music

(Program Code: MUS_)

Music Theory (20)

MUS 2120	Theory I	3
MUS 2125	Musicianship I	2

MUS 2130	Theory II	3
MUS 2135	Musicianship II	2
MUS 2140	Theory III	3
MUS 2145	Musicianship III	2
MUS 2150	Theory IV	3
MUS 2155	Musicianship IV	2

Music History (12)

MUS 3040	Western Music History to 1700	3
MUS 3050	Western Music History from 1700 to 1900	3
MUS 3060	Western Music History from 1900 to the present	3
MUS 3500	Global Music ¹	3

Additional Requirements (21)

Piano proficiency must be demonstrated by completing one of the following:		
MUS 2230	Class Piano IV	1
Or successful completion of credit by examination administered by the department.		
MUS 2660	Electronic Music Production	3
Four units chosen from the student's area of study:		
MUS 1400-MUS 1450 (1000-level Applied Study)		4
MUS 2400-MUS 2460 (2000-level Applied Study)		
Eight units chosen from:		
MUS 2000	Large Music Ensemble	8
MUS 3800	Symphony Orchestra	
MUS 3810	Symphonic Band	
MUS 3850	Concert Choir	
MUS 3860	Chamber Singers	
Participation in one of the major performance organizations most appropriate to the student's applied emphasis is required each semester in residence with a maximum of eight units being applied to the major.		
Four units of:		4
MUS 1000	Music Forum	
MUS 5980	Senior Project	1
1. MUS 3500 double counts for General Education's upper-division C-category requirement.		
Total Units		53

Bachelor of Arts in Philosophy

Requirements (42 units)

Total units for graduation: 120

Requirements for the B.A. in Philosophy

Lower-division requirements (3)

Basic Logic

PHIL 2100	Critical Thinking Through Symbolic Logic	3
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Upper-division requirements (24)

History

PHIL 3210	Ancient Philosophy	3
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PHIL 3250	Early Modern Philosophy	3
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Intermediate Logic

PHIL 3100	Predicate Logic	3
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Value Theory

Three units chosen from:		3
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PHIL 3310	Ethics	
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PHIL 3330	Social and Political Philosophy	
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PHIL 3350	Philosophy of Law	
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PHIL 3355	Jurisprudence	
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Metaphysics/Language

Three units chosen from:		3
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PHIL 3550	Metaphysics	
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PHIL 3580	Philosophy of Language	
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Knowledge/Science

Three units chosen from:		3
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PHIL 3510	Theory of Knowledge	
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PHIL 3520	Philosophy of Science	
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Philosophy in the World

Three units from a topic of:		3
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PHIL 3001	Philosophy in the World	
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Advanced Issues

Three units chosen from:		3
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PHIL 4100	Advanced Issues in Logic	
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PHIL 4200	Advanced Issues in History of Philosophy	
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PHIL 4300	Advanced Issues in Value Theory	
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PHIL 4500	Advanced Issues in Metaphysics and Knowledge	
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Electives (15)

Fifteen units chosen from philosophy courses. Elective units may include philosophy courses taken to satisfy General Education requirements. No more than 6 elective units from philosophy courses numbered 1000 – 3001. In consultation with the chair, philosophy majors are encouraged to include philosophy courses from study abroad in their elective category. Students with philosophy as a double major may complete the elective requirements for the philosophy major by taking up to nine units in non-philosophy courses that are related to the philosophy major. These customized non-philosophy elective packages need to form a coherent plan of study within the philosophy major and should be constructed in consultation with a faculty advisor; the plan of the elective package then needs to be submitted to and approved by the department chair.

15

Total Units		42
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42

Critical Thinking: Majors need not satisfy the GE Critical Thinking Requirement with PHIL 2100; but students who fulfill the requirement with PHIL 2100 thereby satisfy the prerequisite for PHIL 3100.

Bachelor of Arts in Physics

The program for a bachelor of arts degree in physics provides basic knowledge in the main subject areas of physics as well as an opportunity for students to elect a considerable number of courses in other disciplines. This is a good choice for students planning careers in high school teaching, medical or other pre-professional schools, or other inter-disciplinary careers. The BA in Physics requires a total of 66 units listed below; of those 7 units count towards the university's General Education requirements. In addition to the General Education and the BA Physics requirements, students will need to complete 12 additional units in order to satisfy the 120 units required for graduation.

Departmental Honors

To be awarded departmental honors in physics a student must:

1. Achieve at least a 3.5 minimum grade point average in courses required for the major taken at California State University, San Bernardino and at least a 3.0 grade point average overall;
2. Conduct advanced research on a topic approved by a faculty member who will serve as project director;
3. Obtain written approval upon successful completion of the project from the project director and the chair, and present the results of the research to the department or at a research conference, and/or publish the results in a peer-reviewed scientific journal.

Requirements (66 units)

Total units required for graduation: 120

Requirements for the B.A. in Physics

(Program Code: PHYS)

Lower-division requirements (38)

CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2310	Applied Linear Algebra	4
MATH 2320	Multivariable Calculus	4
PHYS 1500	Tools for Physicists	3
PHYS 2500	General Physics I	4
PHYS 2500L	General Physics I Lab	1
PHYS 2510	General Physics II	4
PHYS 2510L	General Physics II Lab	1
PHYS 2600L	Introduction to Electronics	1
PHYS 2700	Modern Physics	3

Upper-division requirements (28)

PHYS 3100	Mathematical Methods of Physics	4
PHYS 3200	Classical Mechanics	4
PHYS 3300	Computational Physics	3
PHYS 3400	Electricity & Magnetism	3
PHYS 3500	Statistical and Thermal Physics	4
PHYS 3800	Intermediate Physics Laboratory	2

PHYS 4800	Senior Thesis	2
Can substitute ASTR 4000 for PHYS 4800; both count towards the GE WI requirement		
Six units chosen from upper-division physics courses selected with the approval of the department:		6
PHYS 3600	Data Acquisition and Control	
PHYS 4400	Electricity & Magnetism II	
PHYS 4600	Electronics	
PHYS 4700	Quantum Mechanics	
PHYS 4851-4853	Special Topics in Physics	
PHYS 4851L-4852L	Special Topics in Physics Laboratory	
PHYS 5100	Mathematical Methods of Physics II	
PHYS 5400	Optics	
PHYS 5700	Quantum Mechanics II	
PHYS 5751-5753	Internship (max 3 units)	
PHYS 5851-5852	Special Topics in Physics	
PHYS 5851L-5852L	Special Topics in Physics Laboratory	
PHYS 5951-5953	Independent Study (max 3 units)	
ASTR 3300	Astrophysics of Planetary Systems	
ASTR 3310	Astrophysics of Galaxies and Cosmology	
Total Units		66

Bachelor of Arts in Political Economy

Requirements (43-44 units)

Total units required for graduation: 120

Requirements for the B.A. in Political Economy

Lower-division requirements (12-13)

ECON 2000	The Economy: Problems and Perspectives	3
Three units chosen from:		3
MATH 1201	Introduction to Statistical Thinking	
MATH 2265	Statistics with Applications	
ADMN 2100	Applied Business Statistics	
Three units chosen from:		3
MATH 1301	Modeling with Functions	
MATH 1402	Preparation for Calculus A	
MATH 1601	Modeling with Calculus	
One course chosen from:		3-4
ACCT 2110	Introductory Accounting I	
COMM 2301	Newswriting and Reporting	
ENG 2400	Writing in the Public Sphere	
GEOG 2250	Introduction to Geographic Information Systems and Cartography	

Upper-division requirements (31)

ECON 3105	Political Economy	3
Three units chosen from:		3
ECON 3314	Public Economics	
ECON 3316	Labor Economics	
ECON 3400	Money, Banking, and Financial Markets	3
ECON 3500	Tools of Economic Analysis	3
ECON 3900	Writing in Economics	3
ECON 4525	Mixed Methods Research	3
Six units chosen from:		6
ECON 3101	Political Economy of Southern California	
ECON 3103	Environmental Economics	
ECON 3109	Political Economy of Women	
ECON 3125	Economic History of the United States	
ECON 3720	Behavioral Economics	
ECON 3750	Origins of Political Economy	
ECON 3790	Post-Keynesian Economics	
ECON 4700	History of Economic Thought	
ECON 4815	Global Inequality and Growth	
ECON 5601	Service-Learning in Political Economy	1
Six units chosen from:		6
ANTH 3603	Gendered Worlds: Power, Difference, and In/equality	
GEOG 3050	Economic Geography	
GEOG 3501	Environmental Sustainability	
GSS 4200	Feminist Theory	

GSS 4250	Women as Agents of Social Change	
GSS 4500	Queer Theory	
HIST 3230	Introduction to Public and Oral History	
PHIL 3330	Social and Political Philosophy	
PSCI 3300	State and Local Politics	
PSYC 3354	Organizational Psychology	
SOC 4100	Sociology of Race and Ethnicity	
SOC 4200	Social Movements	
SOC 4220	Sociology of Work	
SOC 4340	Community Organization	
SOC 4440	Sociology of Sex and Gender	
SSCI 3160	Race and Racism	
SSCI 3390	Climate Change	
Total Units		43-44

Bachelor of Arts in Political Science

Requirements (36 units)

Total units required for graduation: 120

Requirements for the B.A. in Political Science

(Program Code: PSCI)

Lower-division requirements (6)

PSCI 2030	Government of the United States	3
PSCI 2040	International Relations	3

Upper-division requirements (18)

PSCI 3140	American Political Thought	3
American government and politics. Three units chosen from:		3

PSCI 3200 The Legislative Process

PSCI 3260 Political Parties and Interest Groups

PSCI 3300 State and Local Politics

PSCI 4310 The American Presidency

PSCI 5280 Formulation of Public Policy

Comparative government. Three units chosen from:		3
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PSCI 3000 Western Political Systems

PSCI 3010 African Politics

PSCI 3040 East European Political Systems

PSCI 3050 East Asian Politics

PSCI 3060 Latin American Politics

PSCI 3080 Government and Politics of the Middle East

International relations. Three units chosen from:		3
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PSCI 3250 American Foreign Policy

PSCI 4000 International Politics

PSCI 4840 National Security Policy

PSCI 5000 International Law

PSCI 5100 International Organization

Political theory. Three units chosen from:		3
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PSCI 3100 Classical Political Thought

PSCI 3110 Foundations of Modern Political Thought

PSCI 3130 Modern Political Thought

PSCI 3150 Post Modern Political Thought

PSCI 5200 War and Politics

Public law. Three units chosen from:		3
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PSCI 3280 Judicial Process

PSCI 4100 American Constitutional Law

PSCI 4110 The Bill of Rights

PSCI 4120 Civil Rights

PSCI 5250 Constitutional Interpretation

Electives (9)

Nine additional units of electives in upper-division course work in political science, six of which must be chosen from:		9
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PSCI 5300 Studies in Political Theory

PSCI 5400 Seminar in Comparative Politics

PSCI 5350 Seminar in Constitutional Law

PSCI 5900 Seminar in International Relations

PSCI 5920 Seminar in Government

Writing Intensive Course Requirement (3) 3

SSCI 3060 Expository Writing for the Social Sciences

Total Units 36

Note: The following will count as electives only after approval by the department chair: PSCI 5751, PSCI 5752, PSCI 5753, PSCI 5951, PSCI 5952, PSCI 5953.

With approval of the department chair, up to six units in related fields may be counted toward the upper-division course requirement in political science

Bachelor of Arts in Psychology

As prerequisites for acceptance into the B.A. in Psychology, students must complete the following as a "Pre-psychology major." Upon completion of the requirements, the student's major will be changed automatically from "Pre-psychology" to "Psychology" status. Following formal entrance to the Psychology major, students may proceed with PSYC 3311 and the following upper-division courses meeting requirements in the major: PSYC 3355, PSYC 3357, PSYC 3359, PSYC 3360, PSYC 3362, PSYC 3363, PSYC 3364, PSYC 3377, or PSYC 3386, along with the 4000-level culminating experience courses. Students enrolled in a Pre-psychology course will be allowed to enroll in PSYC 3311 for the following quarter with the understanding that all Pre-psychology requirements will be completed successfully by the start of that quarter. Prior to completing the prerequisites that comprise the Pre-psychology major, students who have completed PSYC 1100 may enroll in select upper division Psychology courses, the exceptions being noted above.

There are two formal concentrations within the Psychology B.A..These are Biological Psychology and Industrial-Organizational Psychology. In declaring a major, students have three options. They can select **General Psychology (no formal concentration)**, **Biological Psychology**, or **Industrial-Organizational Psychology**.

Through regular advising and the guidance of our faculty, students who opt for the **General Psychology** degree will be able to create an individualized plan including an informal concentration in any of a number of subareas within psychology such as clinical/counseling psychology, social psychology, developmental psychology, cognitive psychology, and experimental psychology.

Requirements to enter the B.A. in Psychology

General Education Basic Skills in English (A1) (3)	3
General Education Basic Skills in Mathematics (A3) (3)	3
Psychology Courses (14)	
PSYC 1100 Introduction to Psychology	3
PSYC 1101 Psychology as a Major	1
PSYC 2210 Psychological Statistics	4
PSYC 2220 Brain and Behavior	3
PSYC 2211 Introduction to Psychological Research	3
Total Units	20

Students may earn no grade lower than a "C" (2.0) in each of these courses. In addition, students must have a GPA of 2.5 in the Pre-psychology major and an overall University GPA of 2.25.

Students are encouraged to complete PSYC 1101 early in the curriculum. Students should complete PSYC 3311 by the end of their junior year.

Requirements (48-52 units)

Total units required for graduation: 120

Requirements for the B.A. in Psychology

(Program Code: PSYC)

Required Courses for the Psychology B.A. (24-25)

PSYC 1100 Introduction to Psychology	3
PSYC 1101 Psychology as a Major	1
PSYC 2210 Psychological Statistics	4
PSYC 2211 Introduction to Psychological Research	3
PSYC 2220 Brain and Behavior	3
PSYC 3311 Research Methods in Psychology	4
Three units chosen from:	3
PSYC 3382 Social Psychology	
PSYC 3390 Abnormal Psychology	
Advanced Culminating Experience (3-4 units) (includes Writing Designation)	3-4
Students select a course in consultation with a Psychology Department advisor	
Concentration (24-27)	
Students must complete the requirements of one of the concentrations listed below.	24-27
Total Units	48-52

Students enrolling in the Psychology Honors Program during their senior year will take PSYC 5597 and PSYC 5598 in addition to the above requirements.

Concentrations (24-27 units)

General Psychology Concentration (24 units)

PSYC 2201 Developmental Psychology	3
or PSYC 3324 Developmental Psychobiology	
Students may substitute PSYC 2240 for this requirement. Students may only apply one of PSYC 2201 or PSYC 2240 to the Psychology major.	
PSYC 3360 Cognitive Psychology	3
or PSYC 3364 Perception	
Three units chosen from:	3
PSYC 3359 Evolutionary Psychology	
PSYC 3362 Learning and Motivation	
PSYC 3363 Biological Psychology	
Six units chosen from:	6
PSYC 3355 Industrial Psychology	
PSYC 3357 History and Systems of Psychology	
PSYC 3377 Tests and Measurements	
PSYC 3386 Introduction to Psychotherapy	
Upper Division Psychology Electives	9
Students intending to apply to doctoral programs in psychology are encouraged to take the following courses: PSYC 3357, PSYC 3377, PSYC 4410, PSYC 5953.	
Total Units	24

For the General Psychology Concentration, the Advanced Culminating Experience requirement is typically met by choosing a course from either the Advanced Experimental Psychology Option (PSYC 4431, 4432, 4433, 4434, 4435, 4436, 4437, or 4438) or the Advanced Seminar in

Psychology Option (PSYC 4421, 4422, 4423, 4424, 4425, 4426, 4427, or 4428).

Biological Psychology Concentration (27 units)

(P BIO)

Biological psychology represents a course of study focusing on the neurological and physiological bases of human behavior. You will study such things as the brain processes implicated in various psychological disorders, the neurological basis of addiction, and the specific ways in which psychotropic drugs influence the brain and behavior.

PSYC 3363	Biological Psychology	3
PSYC 4442	Behavioral Neuroscience	3
Three units chosen from:		3
PSYC 3355	Industrial Psychology	
PSYC 3385	Personality Psychology	
PSYC 2201	Developmental Psychology	
or PSYC 2242 Introduction to Child Development		
Three units chosen from:		3
PSYC 3359	Evolutionary Psychology	
PSYC 3360	Cognitive Psychology	
PSYC 3364	Perception	
Foundations of Biopsychology		
Six units chosen from:		6
PSYC 3362	Learning and Motivation	
PSYC 3365	Cognitive Neuroscience	
PSYC 5538	Introduction to Psychopharmacology	
Upper-division Biopsychology Electives		
Nine units chosen from:		9
PSYC 3318	Health Psychology	
PSYC 3324	Developmental Psychobiology	
PSYC 3333	Drugs and Behavior	
PSYC 3339	Methods in Human Neuroscience	
PSYC 3357	History and Systems of Psychology	
PSYC 3359	Evolutionary Psychology	
PSYC 3362	Learning and Motivation	
PSYC 3365	Cognitive Neuroscience	
PSYC 3367	Neuropsychiatric Disorders	
PSYC 4410	Advanced Psychological Statistics	
PSYC 4423	Advanced Seminar in Psychology: Biological	
PSYC 4426	Advanced Seminar in Psychology: Learning and Motivation	
PSYC 5538	Introduction to Psychopharmacology	
PSYC 5539	Current Methods in Neuroscience	
PSYC 5562	Neural Mechanisms of Learning and Memory	
PSYC 5567	Neural Substrates of Psychiatric Disorders	
Total Units		27

For the Biological Psychology concentration, the Advanced Culminating Experience requirement is typically satisfied by taking either Psyc 4433 (Experimental Psychology: Biological) or Psyc 4436 (Experimental Psychology: Learning and Motivation).

Students intending to apply to doctoral programs in biopsychology are encouraged to take appropriate course work in biology, chemistry, and physics.

Industrial and Organizational Psychology Concentration (24 units)

(PY IO)

Industrial/Organizational Psychology concerns the psychology of the workplace. I/O psychologists are concerned with personnel selection, gender equity in work settings, understanding and improving relations between employer and employee, program evaluation, employee mental health, and many other issues regarding the interface between psychology and business.

PSYC 3354	Organizational Psychology	3
PSYC 3355	Industrial Psychology	3
PSYC 3377	Tests and Measurements	3
Six units chosen from:		6
PSYC 3360	Cognitive Psychology	
PSYC 3362	Learning and Motivation	
PSYC 3363	Biological Psychology	
PSYC 3364	Perception	
Three units chosen from:		3
PSYC 2201	Developmental Psychology (may substitute PSYC 2240 for PSYC 2201 with department consent)	
PSYC 3357	History and Systems of Psychology	
PSYC 3385	Personality Psychology	
A minimum of six units chosen from:		6
PSYC 3340	Stereotyping, Prejudice and Discrimination	
PSYC 4410	Advanced Psychological Statistics	
PSYC 5540	Work, Retirement, and Leisure	
PSYC 5582	Diversity, Work, and Family	
PSYC 5583	Occupational Health Psychology	
PSYC 5575	Internship	
PSYC 5953	Independent Study	
Total Units		24

For the Industrial-Organizational Psychology concentration, the Advanced Culminating Experience requirement is typically satisfied by taking either Psyc 4428 (Advanced Seminar in IO Psychology) or Psyc 4438 (Experimental Psychology: Industrial and Organizational).

Bachelor of Arts in Public History

Pending Co Approval

The BA in Public History offers undergraduate students an in depth introduction to various fields of public and oral history, including museum management, archival practices, historical archaeology, and oral history. The degree is intended to introduce students to the study and practice of history as presented and made useful to the public in a variety of venues and professional settings, and to prepare students for further professional and academic training and success. As history majors, students receive broad training in the academic discipline of history, and broad content knowledge by surveying courses from around the globe.

Students majoring in the Bachelor of Arts in Public History are also eligible to receive honors in history at graduation if the following conditions are met:

1. At least one-half of the course work required in the major is completed at this university;
2. Earned a grade point average of at least 3.5 in the major, including courses for the major taken elsewhere;
3. Earned an overall undergraduate grade point average of 3.0 ("B") or better;
4. Successful completion of HIST 5970, resulting in a thesis paper.

Applications for honors candidacy must be made by the beginning of the senior year. Approval of candidacy and of the honors project and project advisor rests with the department. The project advisor and one other faculty reader from the department will have the responsibility for evaluation of the completed thesis paper.

Requirements (48 units)

Total units required for graduation: 120

Requirements for the B.A. in Public History

Core courses: (18)

HIST 1400	World History to c. 1500	3
or ANTH 1400	World History to c. 1500	
HIST 1440	World History from c. 1500	3
HIST 2000	United States History to 1877	3
HIST 2010	United States History, 1877 to the Present	3
HIST 5840	Proseminar in History	3
HIST 5850	Research Seminar in History	3

Professional Preparation Course (3)

HIST 3230	Introduction to Public and Oral History	3
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Professional Preparation Electives (27)

A minimum of nine units of professional preparation electives from the following

HIST 3018	Introduction to Cultural Resource Management
HIST 3120	Historical Archaeology
HIST 3160	Archival Practices
HIST 3260	Historic Preservation

HIST 3290	Topics in Public History	
HIST 3300	Topics in Oral History	
HIST 3740	Collections Management	
HIST 3750	Museum Management	
HIST 3760	Exhibition Development and Design	
HIST 3770	Historical Documentaries	
HIST 3780	Museum Curation	
HIST 5750	Internship in History	3
(or) One three-unit upper-division HIST course with advisory approval		
A minimum of three units chosen from five of the following seven areas		15
Ancient History		
HIST 3200	History of Ancient Greece	
HIST 3210	History of Rome	
HIST 3380	Ancient Egyptian Art	
HIST 3390	Culture and Society in Ancient Egypt	
HIST 4260	Ancient and Early Imperial China	
HIST 4520	Ancient Egyptian History, Origins to c. 1700 B.C.E.	
HIST 4530	Ancient Egyptian History, c. 1700 B.C.E. to 1000 B.C.E.	
HIST 4540	Ancient Egypt, c. 1000 B.C.E. to 495 C.E.	
HIST 4800	History of Christianity I	
African History		
HIST 3380	Ancient Egyptian Art	
HIST 3390	Culture and Society in Ancient Egypt	
HIST 3860	Africa to 1870	
HIST 3870	Africa 1870 to Present	
HIST 3880	The Rise, Decline and Legacy of Apartheid South Africa	
HIST 3890	Images of Africa	
HIST 4490	Gender and Development in Africa	
HIST 4500	History of Southern Africa	
HIST 4510	The History of Health and Medicine in Africa	
HIST 4520	Ancient Egyptian History, Origins to c. 1700 B.C.E.	
HIST 4530	Ancient Egyptian History, c. 1700 B.C.E. to 1000 B.C.E.	
HIST 4540	Ancient Egypt, c. 1000 B.C.E. to 495 C.E.	
Asian History		
HIST 4260	Ancient and Early Imperial China	
HIST 4280	Medieval China	
HIST 4290	Modern China I, 1644-1911	
HIST 4310	Modern China II, 1911-Present	
HIST 4330	Modern Chinese History in Fiction and Film	
HIST 4350	World War II in the Pacific	
HIST 4400	History of Modern East Asia	
HIST 4560	Mughal India and the Early Modern World	
HIST 4570	Modern India at the Crossroads of Empire	
HIST 4580	Gandhi: Life and Legacy	
HIST 4590	Media Cultures of the Indian Subcontinent	
European History		
HIST 3050	Ancient and Medieval Europe to the Renaissance	

HIST 3060	European History from the Renaissance to the Present	HIST 3700	History of California
HIST 3200	History of Ancient Greece	HIST 3710	California Indian History
HIST 3210	History of Rome	HIST 3910	Chicana/o History
HIST 3350	Modern Ireland	HIST 4180	Early American Biography
HIST 4000	Early Medieval Europe	HIST 4220	20th Century Americans
HIST 4010	High Medieval Europe	HIST 5400	Constitutional History of the United States
HIST 4020	Renaissance and Reformation	HIST 5410	U.S. Citizenship and the Law
HIST 4030	The Age of Absolutism and Enlightenment	HIST 5560	Foreign Relations of the United States
HIST 4050	Nazi Germany and the Holocaust	HIST 5600	History of the American West
HIST 4060	European Intellectual History	HIST 5610	Gender, Sex, and Conquest in the American West
HIST 4090	Twentieth Century Europe	HIST 5640	Chicana/Mexicana Feminisms
HIST 4100	Hitler's Europe	HIST 5650	Immigration and Ethnic American History
HIST 4810	History of Christianity II	HIST 5680	History of the U.S. - Mexico Borderlands
HIST 5000	Tudor and Stuart England	Total Units	48
HIST 5010	Britain, 1688-1901		
HIST 5030	Europe Since 1945		
HIST 5350	Studies in European National History		
Latin American History			
HIST 3900	History of Modern Mexico		
HIST 4650	Modern Central America		
HIST 4660	Foreign Relations of Latin America		
HIST 4670	Latin American History Through Film		
HIST 4690	Colonial Latin America		
HIST 4700	Modern Latin America		
Middle Eastern History			
HIST 3830	Classical Islamic Civilization		
HIST 3840	Modern Middle East		
HIST 4850	Arab-Israeli Conflict		
HIST 4860	Modern Iran		
HIST 4870	Topics in Modern Middle Eastern History		
HIST 4910	Nationalism and Conflict in the Middle East		
HIST 4920	U.S. Media and the Middle East		
HIST 4930	Iran-U.S. Relations		
HIST 4950	Politics of Oil		
United States History			
HIST 3400	African-American History, 1620-1865		
HIST 3410	African-American History, 1865-Present		
HIST 3420	American Indian History		
HIST 3450	Women in U.S. History, 1607-Present		
HIST 3460	Women in the Black Freedom Movement		
HIST 3500	The American Colonies, 1607-1783		
HIST 3510	The Evolution of American Democracy, 1783-1840		
HIST 3540	Civil War and Reconstruction		
HIST 3560	The United States, 1877-1917		
HIST 3570	The United States, 1917-1945		
HIST 3580	United States in World War II		
HIST 3590	United States History, Cold War Era		
HIST 3600	American History Through Film		
HIST 3610	Chicana/o History Through Film		
HIST 3620	LGBT History		
HIST 3680	The United States, 1960s		

Bachelor of Arts in Social Sciences - Multidisciplinary Track

Requirements (45 units)

Total units required for graduation: 120

Two core SSCI courses, SSCI 3060 and SSCI 5940 for a total of 6 units, a minimum of 27 units in a Primary Field in one of the following disciplines, plus a minimum of 12 units in at least one Secondary Fields from a discipline other than the Primary Field:

- Anthropology
- Communication Studies
- Economics
- Geography
- History
- Philosophy
- Political Science
- Psychology
- Sociology
- Theatre Arts
- World Languages

Within this major, cross-listed courses cannot be counted both in a primary field and in a secondary field.

Additionally, students may elect to complete up to 6 units of SSCI 5750 Internship and 6 units of SSCI 5950 Independent studies, with the consent of the program coordinator.

A special topics primary or secondary field may be contracted with Coordinator of the Social Sciences BA or the dean of the College of Social and Behavioral Sciences.

Requirements (45-66 units)

Total units required for graduation: 120

Requirements for the B.A. in Social Sciences, Arts and Humanities (45-66 units)

(Program Code: SSMT)

Social Science required core courses (6)

SSCI 3060	Expository Writing for the Social Sciences	3
SSCI 5940	Senior Seminar	3

Social Science elective courses - up to 6 units of each and a total of 12 units overall (0-12)

SSCI 5750	Social Science Internship	
SSCI 5950	Social Science Independent Study	

Students must complete one Primary Field and one Secondary Field from below (39-48)

Total Units 45-66

Anthropology

(Primary Field 27 units, Secondary Field 12 units)

Two core Anthropology courses: (12) 6

ANTH 1001	Humans, Apes, and Monkeys: Introduction to Biological Anthropology	3
ANTH 1002	Understanding Cultural Diversity	3

Primary Field (21)

Twenty-one additional upper-division units in Anthropology chosen for a primary field from the list of courses below. 21

ANTH 3002R	African Archaeology	
ANTH 3003R	Prehistory of the Middle East and Europe	
ANTH 3005R	North American Prehistory	
ANTH 3006R	Mesoamerican Archaeology	
ANTH 3007R	Andean Archaeology	
ANTH 3012	Historical Archaeology	
ANTH 3014R	Archaeology of California	
ANTH 3015R	Archaeology of the Southwest	
ANTH 3019L	Experimental Archaeology and Ethnoarchaeology	
ANTH 3023	Native North American Art	
ANTH 3024	Pre-Columbian Art	
ANTH 3180	Introduction to Cultural Resource Management	
ANTH 3201	The Archaeology of the Senses	
ANTH 3360	Ancient Egyptian Archaeology	
ANTH 3500	The Race Concept in Biological Anthropology	
ANTH 3501	Human Origins	
ANTH 3502	Primate Evolution and Ecology	
ANTH 3503	Forensic Anthropology and Crime	
ANTH 3600	The History of Anthropological Thought	
ANTH 3601	Case Studies in Linguistic Anthropology	
ANTH 3602	Anthropology of Childhood	
ANTH 3603	Gendered Worlds: Power, Difference, and & In/equality	
ANTH 3604	Anthropology and Film	
ANTH 3605	Anthropology of Health	
ANTH 3606	Indigenous Politics	
ANTH 3607	Environmental Anthropology	
ANTH 3608	Humans, Animals, and Nature	
ANTH 3609	Urban Anthropology	
ANTH 3610	Cultural Entanglements and the Global Economy	
ANTH 3611	Religion and Culture	
ANTH 3701R	Cultures of Mexico and Central America	
ANTH 3702R	Anthropology of South America	
ANTH 3703R	Asian Cultures	
ANTH 3704R	Anthropology of the Middle East	
ANTH 3705R	Anthropology of Africa	
ANTH 3706R	Indians of North America	
ANTH 3707R	Indians of the Southwest	
ANTH 3910	Selected Topics in Anthropology	
ANTH 4500T	Late Pleistocene Human Evolution	
ANTH 4550	Egyptian Mining Expeditions, Their Buildings, and Their Slaves	
ANTH 4601L	Community Engaged Research Methods	

ANTH 4603L	Museum Research and Exhibit Development	
ANTH 4605T	Human Rights, Violence & Culture	
ANTH 4606T	Decolonizing Anthropology	
ANTH 5000	Senior Seminar in Anthropology	
ANTH 5099	Selected Topics in Archaeology	
ANTH 5399	Selected Topics in Biological Anthropology	
ANTH 5699	Selected Topics in Sociocultural Anthropology	
ANTH 5850	Fieldwork in Sociocultural Anthropology	
Secondary Field (6)		
Six upper-division units in Anthropology chosen from above for a secondary concentration.		6
Total Units		39

Communication Studies

(Primary Field 27 units, Secondary Field 12 units)

Three Core Courses (9)		9
COMM 3101	Communication, Self, and Others	
COMM 3102	Media, Culture, and Society	
COMM 4102	Ethical Aspects of Communication	
Primary Field (18)		18

Eighteen additional upper-division units in Communication Studies chosen for a primary field from the list of courses below.		
COMM 3212	Persuasion	
COMM 3227	Topics in Relational and Organizational Communication	
COMM 3230	Nonverbal Communication	
COMM 3231	Communication for Training Programs	
COMM 3301	Media Institutions in Context	
COMM 3305	Digital Media and Society	
COMM 3319	Topics in Media Studies	
COMM 3331	The Development of Motion Pictures	
COMM 3332	Movies in the Digital Age	
COMM 3333	Film Analysis	
COMM 3334	Global Cinema	
COMM 3335	Visual Communication	
COMM 3336	Queer Cinema	
COMM 3339	Topics in Film Studies	
COMM 3351	Introduction to Digital Video Editing	
COMM 3354	Fundamentals of Screenwriting	
COMM 3361	Digital Audio and Radio Production	
COMM 3371	Multimedia Journalism	
COMM 3372	Publication Design	
COMM 3379	Topics in Multimedia Journalism	
COMM 3401	Introduction to Strategic Communication	
COMM 3403	Business Literacy for Strategic Communication	
COMM 4101	Communication Research Methodology	
COMM 4202	Relational Communication	
COMM 4203	Organizational Communication	
COMM 4211	Communication and Gender	
COMM 4222	Communication and Conflict	
COMM 4231	Classroom Communication	
COMM 4241	Interviewing	

COMM 4301	Gender, Race, and Class in Media	
COMM 4302	Latinx, Media, and Cultures	
COMM 4303	Global Communication	
COMM 4304	Media Effects	
COMM 4305	Advertising as Social Communication	
COMM 4355	Digital Filmmaking I	
COMM 4356	Digital Filmmaking II	
COMM 5267	Advanced Topics in Relational and Organizational Communication	
COMM 5301	Media, Sex, and Violence	
COMM 5302	Communication Law and Policy	
COMM 5303	Muslim Women in Media and Society	
COMM 5311	Fundamentals of Social Media Management	
COMM 5312	Political Economy of Social Media Communication	
COMM 5313	Audience Analysis in Social Media	
COMM 5314	Social Media for Social Good	
COMM 5319	Advanced Topics in Media Studies	
COMM 5339	Advanced Topics in Film Studies	
COMM 5359	Advanced Topics in Digital Production	
COMM 5379	Advanced Topics in Multimedia Journalism	
Secondary Field (3)		3
Three additional upper-division units in Communication Studies from the above courses.		
Total Units		30

Economics

(Primary Field 27 units, Secondary Field 12 units)

Two core Economics courses: (6)		6
ECON 2201	Principles of Microeconomics	
ECON 2202	Principles of Macroeconomics	
Primary Field (21)		21
Twenty-one units of additional upper-division Economics courses from below:		
ECON 3101	Political Economy of Southern California	
ECON 3103	Environmental Economics	
ECON 3105	Political Economy	
ECON 3109	Political Economy of Women	
ECON 3125	Economic History of the United States	
ECON 3199	Economics in the Elementary and Middle School	
ECON 3312	Firms and Markets	
ECON 3314	Public Economics	
ECON 3316	Labor Economics	
ECON 3318	International Economics	
ECON 3400	Money, Banking, and Financial Markets	
ECON 3500	Tools of Economic Analysis	
ECON 3720	Behavioral Economics	
ECON 3730	Economic Development	
ECON 3740	Economics of Climate Change	
ECON 3750	Origins of Political Economy	
ECON 3780	Multinational Corporations	
ECON 3790	Post-Keynesian Economics	
ECON 3801	Selected Topics in Economics	

ECON 4100	Intermediate Microeconomics
ECON 4200	Intermediate Macroeconomics
ECON 4300	Econometrics
ECON 4400	Quantitative Methods in Economics
ECON 4525	Mixed Methods Research
ECON 4550	Advanced Tools of Economic Analysis
ECON 4700	History of Economic Thought
ECON 4815	Global Inequality and Growth
ECON 4900	Seminar in Economics
ECON 5510	Economics in the Classroom
ECON 5601	Service-Learning in Political Economy

Secondary Field (6)

Six units of additional upper-division Economics courses from above.	6
Total Units	33

Geography**(Primary Field 27 units, Secondary Field 12 units)**

Geography core course: (6)	3	
GEOG 1010	Introduction to Human Geography	3

Primary Field (24)

Twenty-four units of upper-division Geography courses from below.	24
GEOG 3004	Field Methods in Geography
GEOG 3018	Geographic Statistics and Research Methods
GEOG 3020	Social Geography
GEOG 3030	Cultural Geography
GEOG 3040	Urban Geography
GEOG 3045	Global Cities and Urban Environment
GEOG 3050	Economic Geography
GEOG 3060	Political Geography
GEOG 3065	Migration and Borderlands
GEOG 3500	Conservation and Natural Resources
GEOG 3501	Environmental Sustainability
GEOG 3605	Geography in the Elementary and Middle School Classroom
GEOG 3701	Environmental Policy and Impact Assessment
GEOG 3710	Advanced Geographic Information Systems
GEOG 3730	Geo-Spatial Analysis
GEOG 3900	Emerging Topics in Human Geography
GEOG 3901	Emerging Topics in Physical Geography
GEOG 3902	Emerging Topics in Environmental Studies
GEOG 3903	Emerging Topics in Global Studies
GEOG 3904	Emerging Topics in GIS and Spatial Techniques
GEOG 4050	Geography of California
GEOG 4055	US-Mexico Border Region
GEOG 4060	Emerging World Regions
GEOG 4070	Advanced World Regions
GEOG 4360	Climate Change
GEOG 4400	Geomorphology
GEOG 4450	Globalization and Identity
GEOG 4651	Coastal Resources Management
GEOG 4710	Water Wars

Secondary Field (6)

Six units of upper-division Geography courses from above.	6
Total Units	36

History**(Primary Field 27 units, Secondary Field 12 units)**

History core courses: (12)	6	
HIST 2000	United States History to 1877	3
HIST 2010	United States History, 1877 to the Present	3

Primary Field (21)

Twenty-one units of upper-division History courses from below.	21
HIST 3010	Teaching History
HIST 3012	Historical Archaeology
HIST 3018	Introduction to Cultural Resource Management
HIST 3050	Ancient and Medieval Europe to the Renaissance
HIST 3060	European History from the Renaissance to the Present
HIST 3100	Research Opportunity in History
HIST 3120	Historical Archaeology
HIST 3160	Archival Practices
HIST 3200	History of Ancient Greece
HIST 3210	History of Rome
HIST 3230	Introduction to Public and Oral History
HIST 3260	Historic Preservation
HIST 3290	Topics in Public History
HIST 3300	Topics in Oral History
HIST 3350	Modern Ireland
HIST 3360	Ancient Egyptian Archaeology
HIST 3380	Ancient Egyptian Art
HIST 3390	Culture and Society in Ancient Egypt
HIST 3400	African-American History, 1620-1865
HIST 3410	African-American History, 1865-Present
HIST 3420	American Indian History
HIST 3450	Women in U.S. History, 1607-Present
HIST 3460	Women in the Black Freedom Movement
HIST 3500	The American Colonies, 1607-1783
HIST 3510	The Evolution of American Democracy, 1783-1840
HIST 3540	Civil War and Reconstruction
HIST 3560	The United States, 1877-1917
HIST 3570	The United States, 1917-1945
HIST 3580	United States in World War II
HIST 3590	United States History, Cold War Era
HIST 3600	American History Through Film
HIST 3610	Chicana/o History Through Film
HIST 3620	LGBT History
HIST 3680	The United States, 1960s
HIST 3700	History of California
HIST 3710	California Indian History
HIST 3740	Collections Management
HIST 3750	Museum Management
HIST 3760	Exhibition Development and Design
HIST 3770	Historical Documentaries
HIST 3780	Museum Curation

HIST 3790	The History of Madness
HIST 3830	Classical Islamic Civilization
HIST 3840	Modern Middle East
HIST 3860	Africa to 1870
HIST 3870	Africa 1870 to Present
HIST 3880	The Rise, Decline and Legacy of Apartheid South Africa
HIST 3890	Images of Africa
HIST 3900	History of Modern Mexico
HIST 3910	Chicana/o History
HIST 3950	Topics in History
HIST 4000	Early Medieval Europe
HIST 4010	High Medieval Europe
HIST 4020	Renaissance and Reformation
HIST 4030	The Age of Absolutism and Enlightenment
HIST 4050	Nazi Germany and the Holocaust
HIST 4060	European Intellectual History
HIST 4090	Twentieth Century Europe
HIST 4100	Hitler's Europe
HIST 4180	Early American Biography
HIST 4220	20th Century Americans
HIST 4260	Ancient and Early Imperial China
HIST 4280	Medieval China
HIST 4290	Modern China I, 1644-1911
HIST 4310	Modern China II, 1911-Present
HIST 4330	Modern Chinese History in Fiction and Film
HIST 4350	World War II in the Pacific
HIST 4400	History of Modern East Asia
HIST 4490	Gender and Development in Africa
HIST 4500	History of Southern Africa
HIST 4510	The History of Health and Medicine in Africa
HIST 4520	Ancient Egyptian History, Origins to c. 1700 B.C.E.
HIST 4530	Ancient Egyptian History, c. 1700 B.C.E. to 1000 B.C.E.
HIST 4540	Ancient Egypt, c. 1000 B.C.E. to 495 C.E.
HIST 4560	Mughal India and the Early Modern World
HIST 4570	Modern India at the Crossroads of Empire
HIST 4580	Gandhi: Life and Legacy
HIST 4590	Media Cultures of the Indian Subcontinent
HIST 4650	Modern Central America
HIST 4660	Foreign Relations of Latin America
HIST 4670	Latin American History Through Film
HIST 4690	Colonial Latin America
HIST 4700	Modern Latin America
HIST 4800	History of Christianity I
HIST 4810	History of Christianity II
HIST 4850	Arab-Israeli Conflict
HIST 4860	Modern Iran
HIST 4870	Topics in Modern Middle Eastern History
HIST 4910	Nationalism and Conflict in the Middle East
HIST 4920	U.S. Media and the Middle East
HIST 4930	Iran-U.S. Relations

HIST 4950	Politics of Oil
HIST 5000	Tudor and Stuart England
HIST 5010	Britain, 1688-1901
HIST 5030	Europe Since 1945
HIST 5250	Editing and Publishing in History
HIST 5260	Sound History: Can We Hear the Past?
HIST 5270	Historical Audio-Broadcasting
HIST 5350	Studies in European National History
HIST 5400	Constitutional History of the United States
HIST 5410	U.S. Citizenship and the Law
HIST 5560	Foreign Relations of the United States
HIST 5600	History of the American West
HIST 5610	Gender, Sex, and Conquest in the American West
HIST 5640	Chicana/Mexicana Feminisms
HIST 5650	Immigration and Ethnic American History
HIST 5680	History of the U.S. - Mexico Borderlands
HIST 5750	Internship in History
HIST 5970	Senior Honors Project

Secondary Field (6)

Six units of upper-division History courses from above.	6
Total Units	39

Philosophy**(Primary Field 27 units, Secondary Field 21 units)****Primary Field Required Courses (21) (21)**

PHIL 1010	Introduction to Philosophical Problems	21
PHIL 2100	Critical Thinking Through Symbolic Logic	
PHIL 3001	Philosophy in the World	
PHIL 3210	Ancient Philosophy	
PHIL 3250	Early Modern Philosophy	
PHIL 3310	Ethics	
	or PHIL 3330(Social and Political Philosophy)	
PHIL 3550	Metaphysics	
	or PHIL 358(Philosophy of Language)	

Any 6 units of upper-division Philosophy courses, of which at least 3 must be taken at the 4000 level. (6)**Secondary Field (12)**

Required courses:

PHIL 1010	Introduction to Philosophical Problems	
PHIL 2100	Critical Thinking Through Symbolic Logic	
An additional 6 unites from the courses below:		6
PHIL 3001	Philosophy in the World	
PHIL 3210	Ancient Philosophy	
PHIL 3250	Early Modern Philosophy	
PHIL 3310	Ethics	
	or PHIL 333(Social and Political Philosophy)	
PHIL 3550	Metaphysics	
	or PHIL 358(Philosophy of Language)	

Total Units	39
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Political Science

(Primary Field 27 units, Secondary Field 12 units)

Political Science core courses: (6) 6

PSCI 2030	Government of the United States
PSCI 2040	International Relations

Primary Field (21)

Twenty-one units of upper-division Political Science courses from below. 21

PSCI 3000	Western Political Systems
PSCI 3010	African Politics
PSCI 3040	East European Political Systems
PSCI 3050	East Asian Politics
PSCI 3060	Latin American Politics
PSCI 3080	Government and Politics of the Middle East
PSCI 3100	Classical Political Thought
PSCI 3110	Foundations of Modern Political Thought
PSCI 3130	Modern Political Thought
PSCI 3140	American Political Thought
PSCI 3150	Post Modern Political Thought
PSCI 3200	The Legislative Process
PSCI 3250	American Foreign Policy
PSCI 3260	Political Parties and Interest Groups
PSCI 3280	Judicial Process
PSCI 3300	State and Local Politics
PSCI 3320	California Government
PSCI 3400	Sex and Politics
PSCI 3420	The Politics of Environment
PSCI 3520	Minority Politics: Ethnic Politics
PSCI 3521	Minority Politics: African American Politics
PSCI 3522	Minority Politics: Latino Politics
PSCI 3523	Minority Politics: Asian American Politics
PSCI 3524	Minority Politics: Native American Politics
PSCI 3750	Introduction to Political Science Research
PSCI 3800	Introduction to Public Administration
PSCI 4000	International Politics
PSCI 4100	American Constitutional Law
PSCI 4110	The Bill of Rights
PSCI 4120	Civil Rights
PSCI 4310	The American Presidency
PSCI 4840	National Security Policy
PSCI 5000	International Law
PSCI 5100	International Organization
PSCI 5200	War and Politics
PSCI 5250	Constitutional Interpretation
PSCI 5280	Formulation of Public Policy
PSCI 5300	Studies in Political Theory
PSCI 5350	Seminar in Constitutional Law
PSCI 5400	Seminar in Comparative Politics
PSCI 5600	Intergovernmental Relations
PSCI 5970	Senior Honors Thesis

Secondary Field (6)

Six units of upper-division Political Science courses from above. 6

Total Units 33

Psychology

(Primary Field 27 units, Secondary Field 12 units)

Psychology core courses: (6) 6

PSYC 1100	Introduction to Psychology
PSYC 2210	Psychological Statistics

Primary Field (21)

Twenty-one units of upper division Psychology courses from below. 21

PSYC 3300	Positive Psychology
PSYC 3301	Psychology of Human Sexuality
PSYC 3303	Parenting and Family Relations
PSYC 3305	Language Development
PSYC 3310	Applied Research Methods
PSYC 3311	Research Methods in Psychology
PSYC 3318	Health Psychology
PSYC 3320	Psychology of Middle Childhood
PSYC 3325	Development of Intimate Relationships
PSYC 3328	Psychology of Adolescent Development
PSYC 3329	Psychology of Adulthood and Aging
PSYC 3331	Psychology of Women and Gender
PSYC 3333	Drugs and Behavior
PSYC 3334	Addiction and Recovery
PSYC 3339	Methods in Human Neuroscience
PSYC 3340	Stereotyping, Prejudice and Discrimination
PSYC 3341	Women and Violence
PSYC 3345	Cross-Cultural Psychology
PSYC 3349	Gay and Lesbian Issues: Psychological Perspectives
PSYC 3350	Development of Exceptional Children
PSYC 3351	Behavior Modification: Principles and Applications
PSYC 3354	Organizational Psychology
PSYC 3355	Industrial Psychology
PSYC 3357	History and Systems of Psychology
PSYC 3358	Cognitive Development
PSYC 3359	Evolutionary Psychology
PSYC 3360	Cognitive Psychology
PSYC 3361	Intelligence and Creativity
PSYC 3362	Learning and Motivation
PSYC 3363	Biological Psychology
PSYC 3364	Perception
PSYC 3365	Cognitive Neuroscience
PSYC 3367	Neuropsychiatric Disorders
PSYC 3368	MARC Seminar I
PSYC 3370	Topics in Psychology
PSYC 3372	Psychology of Death and Dying
PSYC 3375	Seminar in Psychology
PSYC 3377	Tests and Measurements
PSYC 3381	Forensic Psychology
PSYC 3382	Social Psychology
PSYC 3384	Social and Emotional Development

PSYC 3385	Personality Psychology
PSYC 3386	Introduction to Psychotherapy
PSYC 3387	Community Psychology
PSYC 3390	Abnormal Psychology
PSYC 3391	Psychopathology of Childhood
PSYC 3395	Psychology of Consciousness
PSYC 4400	Child Assessment
PSYC 4410	Advanced Psychological Statistics
PSYC 4421	Advanced Seminar in Psychology: Developmental
PSYC 4422	Advanced Seminar in Psychology: Clinical
PSYC 4423	Advanced Seminar in Psychology: Biological
PSYC 4424	Advanced Seminar in Psychology: Social
PSYC 4425	Advanced Seminar in Psychology: Personality
PSYC 4426	Advanced Seminar in Psychology: Learning and Motivation
PSYC 4427	Advanced Seminar in Psychology: Cognition and Perception
PSYC 4428	Advanced Seminar in Psychology: Industrial and Organizational
PSYC 4431	Experimental Psychology: Developmental
PSYC 4432	Experimental Psychology: Clinical
PSYC 4433	Experimental Psychology: Biological
PSYC 4434	Experimental Psychology: Social
PSYC 4435	Experimental Psychology: Personality
PSYC 4436	Experimental Psychology: Learning and Motivation
PSYC 4437	Experimental Psychology: Cognition and Perception
PSYC 4438	Experimental Psychology: Industrial and Organizational
PSYC 4442	Behavioral Neuroscience
PSYC 5538	Introduction to Psychopharmacology
PSYC 5539	Current Methods in Neuroscience
PSYC 5540	Work, Retirement, and Leisure
PSYC 5562	Neural Mechanisms of Learning and Memory
PSYC 5567	Neural Substrates of Psychiatric Disorders
PSYC 5581	Current Professional Issues in Industrial-Organizational Psychology
PSYC 5582	Diversity, Work, and Family
PSYC 5583	Occupational Health Psychology

Secondary Field (6)

Six units of upper division Psychology courses from above.	6
Total Units	33

Sociology**(Primary Field 27 units, Secondary Field 12 units)**

Sociology core courses (12)	6	
SOC 1000	Introduction to Sociology	3
SOC 3110	Sociological Theory	3

Primary Field (21)

Twenty-one units of upper-division Sociology courses from below.	21
SOC 3010	Qualitative Analysis & Field Research
SOC 3020	Introduction to Community-Based Research
SOC 3070	Quantitative Analysis & Survey Research

SOC 3300	Aging and The Lifecourse
SOC 3350	Population and Society
SOC 3360	Black Women and Feminism
SOC 3390	Socialization
SOC 3400	Sociology of Families
SOC 3410	The African American Family
SOC 3420	The Latino Family
SOC 3430	Sociology of Violence
SOC 3440	LGBTQ Families
SOC 3500	Criminology
SOC 3540	Deviant Behavior
SOC 3550	Medical Sociology
SOC 3560	Sociology of Mental Health
SOC 3600	Social Psychology
SOC 3800	Sociology of Religion
SOC 4100	Sociology of Race and Ethnicity
SOC 4180	Social Welfare in the U.S.
SOC 4200	Social Movements
SOC 4220	Sociology of Work
SOC 4240	Social Networks
SOC 4300	Urban Sociology
SOC 4320	Political Sociology
SOC 4340	Community Organization
SOC 4360	Group Dynamics
SOC 4400	Social Inequality
SOC 4410	Black Americans in Contemporary Society
SOC 4420	The Latino Experience in the U.S.
SOC 4440	Sociology of Sex and Gender
SOC 4510	Sociology of Migration
SOC 4520	Social Change and Innovation
SOC 4530	Citizenship, Status, and Inequality
SOC 4840	Social Casework
SOC 4900	Crime, Desistance, and Reentry
SOC 5250	Indian Nations and Native America
SOC 5300	Global Aging
SOC 5400	Sociology of Education
SOC 5450	Indigenous Peoples
SOC 5510	Borders, Knowledges, and Identities
SOC 5600	Social Determinants of Health

Secondary field (6)

Six units of upper-division Sociology courses from above.	6
Total Units	39

Theatre Arts**(Primary Field 27 units, Secondary Field 12 units)**

Theatre Arts core courses: (9)	9
TA 1140	Fundamentals of Acting
TA 1141	Improvisation
TA 2131	Fundamentals of Stage Design

Primary field (18)

Eighteen units of upper division Theatre Arts courses from below.	18
TA 3122	Performance Practicum

TA 3123	Performance Practicum
TA 3131	Technical Practicum
TA 3132	Technical Practicum
TA 3141	The Improvisational Mind
TA 3143	Fundamentals of Directing
TA 3161	Theatre History and Literature I
TA 3162	Theatre History and Literature II
TA 3240	Scene Study
TA 3310	Graphic Communication for Theatrical Design
TA 3320	Scenic Design
TA 3330	Costume Design
TA 3340	Sound Design
TA 3350	Lighting Design
TA 3410	Theatre in the Classroom
TA 3602	Dramatic Analysis and Playwriting for Teachers
TA 3647	Playwriting
TA 3711	Dance Techniques: Jazz
TA 3712	Dance Techniques: Modern
TA 3713	Dance Techniques: Tap
TA 3714	Dance Techniques: Ballet
TA 3715	Dance Techniques: Musical Theatre
TA 3720	World Dance Traditions
TA 3730	Dance Notation
TA 3731	Dance History
TA 4163	Criticism of Plays in Performance
TA 4170	Theatre Applications/Project Preparation
TA 4171	Theatre Arts Capstone
TA 4241	Styles of Acting
TA 4242	Acting for the Camera
TA 4320	Scenic Crafts
TA 4330	Costume Crafts
TA 4340	Lighting Crafts
TA 4350	Audio Crafts
TA 4410	Drama in Education
TA 4420	Touring Practicum
TA 4430	Puppetry
TA 4440	Creative Movement in the Classroom
TA 4450	Arts in Action: Theatre
TA 4451	Arts in Action: Dance
TA 4510	Acting in Musical Theatre
TA 4520	Singing for Musicals
TA 4643	Directing and Devising Performance
TA 4661	Dramatic Literature I: Classical to 1800
TA 4662	Dramatic Literature II: 19th Century to Contemporary
TA 4663	Dramatic Literature of Identity
TA 4664	Theatre for Youth: History and Literature
TA 4665	Shakespeare I
TA 4666	Shakespeare II
TA 4750	Choreography
TA 5141	Entrepreneurial Improvisation and Creativity
TA 5440	Advanced Creative Dance Methods

Secondary field (3)

Three units of upper division Theatre Arts courses from above.	3
Total Units	30

World Languages

(Primary Field 27 units of Upper Division Coursework, Secondary Field 12 units of Upper Division Coursework from ONE of following: Arabic, French OR Spanish)

Arabic primary field (27)

Twenty-seven units of upper division Arabic courses below.	27
ARAB 3111	Arab Culture, Media and Identity
ARAB 3112	Explorations of Arabic Literary Texts
ARAB 3113	Spoken Arabic
ARAB 3114	Introduction to Arabic Linguistics
ARAB 3115	Introduction to Arabic Translation
ARAB 3116	Explorations in Arabic Media
ARAB 3117	Advanced Arabic for Professional Communication
ARAB 3150	Arabic Conversation Activity
ARAB 3160	Writing Explorations
ARAB 3900	Female Voices in Arab American Literature
ARAB 4112	Advanced Readings in Arabic
ARAB 4113	Arabic Pedagogy
ARAB 4500	Signature Work
ARAB 4900	Voices and Visions from the Arab World
ARAB 5900	Global Perspectives and Study Abroad

Arabic secondary field (12)

Twelve units of upper division Arabic courses above.	12
Total Units	39

French primary field (27)

Twenty-seven units of upper division French courses below.	27
FREN 3000	Enhancing Your French
FREN 3111	Approaches to French Literature
FREN 3112	From Cannes to Cameroon: Francophone Cinema and Culture
FREN 3113	Geographies of Identity: Francophone Cultures in Context
FREN 3114	Paris: Cultural and Historical Capital
FREN 3150	French Conversation Lab
FREN 3160	French Writing Lab
FREN 3320	French Translation
FREN 3550	French Phonetics
FREN 3701	Study Abroad
FREN 3702	Study Abroad
FREN 3703	Study Abroad
FREN 3704	Study Abroad
FREN 3900	Voices & Visions from the Francophone World
FREN 3960	French for Reading 1
FREN 3961	French for Reading 2
FREN 4150	Interconnections: French Literature and Ideas
FREN 4250	French Fêtes: Music, Cuisine and the Arts

FREN 4350	Intersections: Topics in French Civilization	
FREN 4450	French Means Business	
FREN 4550	Introduction to French Linguistics	

French secondary field (12)

Twelve units of upper division French courses above.	12
Total Units	39

Spanish primary field (27)

Twenty-seven units of upper division Spanish courses below. 27

SPAN 3051	Culture, Health, and Food in Latin America	
SPAN 3301	Advanced Spanish Language and Composition	
SPAN 3302	Advanced Spanish Language and Composition Writing Lab	
SPAN 3303	Introduction to Literature in Spanish Speaking World	
SPAN 3305	Applied Spanish Grammar	
SPAN 3307	Cultures of Spain	
SPAN 3308	Cultures of Spain Activity	
SPAN 3309	Cultures of Spanish America	
SPAN 3310	Cultures of Spanish America Activity	
SPAN 3900	Voices & Visions from the Hispanic World	
SPAN 4401	Spanish for the Professions	
SPAN 4402	Spanish for the Professions Activity	
SPAN 4403	Spanish Dialectology	
SPAN 4404	Spanish Dialectology Activity	
SPAN 4407	Special Topics in Peninsular Literature	
SPAN 4409	Special Topics in Spanish American Literature	
SPAN 4411	Special Topics in Spanish Language Cinema and/or Theatre	
SPAN 4412	Special Topics in Spanish Language Cinema and/or Theatre Activity	
SPAN 5501	Seminar in Peninsular Literature, Culture, Theater and Film	
SPAN 5502	Peninsular Literature, Culture, Theater, and Film: Portfolio	
SPAN 5503	Seminar in Spanish American Literature, Culture, Theater and Film	
SPAN 5504	Spanish American Literature, Culture, Theater, and Film: Portfolio	
SPAN 5505	Seminar in Hispanic Linguistics	
SPAN 5507	Seminar in Special Interdisciplinary Topics in Spanish Literature, Linguistics, or Culture	
SPAN 5555	Study Abroad and International Experience	
SPAN 5556	Study Abroad and International Experience	
SPAN 5557	Study Abroad and International Experience	

Spanish secondary field (12)

Twelve units of upper division Spanish courses above.	12
Total Units	39

Bachelor of Arts in Social Sciences, Arts and Humanities

Requirements (45 units)

Total units required for graduation: 120

Two core SSCI courses, SSCI 3060 and SSCI 5940 for a total of 6 units, a minimum of 27 units in a Primary Field in one of the following disciplines, plus a minimum of 12 units in at least one Secondary Fields from a discipline other than the Primary Field:

- Anthropology
- Communication Studies
- Economics
- Geography
- History
- Philosophy
- Political Science
- Psychology
- Sociology
- Theatre Arts
- World Languages

Within this major, cross-listed courses cannot be counted both in a primary field and in a secondary field.

Additionally, students may elect to complete up to 6 units of SSCI 5750 Internship and 6 units of SSCI 5950 Independent studies, with the consent of the program coordinator.

A special topics primary or secondary field may be contracted with Coordinator of the Social Sciences BA or the dean of the College of Social and Behavioral Sciences.

Requirements (45-66 units)

Total units required for graduation: 120

Requirements for the B.A. in Social Sciences, Arts and Humanities (45-66 units)

(Program Code: SSMT)

Social Science required core courses (6)

SSCI 3060	Expository Writing for the Social Sciences	3
SSCI 5940	Senior Seminar	3

Social Science elective courses - up to 6 units of each and a total of 12 units overall (0-12)

SSCI 5750	Social Science Internship	
SSCI 5950	Social Science Independent Study	

Students must complete one Primary Field and one Secondary Field from below (39-48)

Total Units 45-66

Anthropology

(Primary Field 27 units, Secondary Field 12 units)

Two core Anthropology courses: (12) 6

ANTH 1001	Humans, Apes, and Monkeys: Introduction to Biological Anthropology	3
ANTH 1002	Understanding Cultural Diversity	3

Primary Field (21)

Twenty-one additional upper-division units in Anthropology chosen for a primary field from the list of courses below. 21

ANTH 3002R	African Archaeology	
ANTH 3003R	Prehistory of the Middle East and Europe	
ANTH 3005R	North American Prehistory	
ANTH 3006R	Mesoamerican Archaeology	
ANTH 3007R	Andean Archaeology	
ANTH 3012	Historical Archaeology	
ANTH 3014R	Archaeology of California	
ANTH 3015R	Archaeology of the Southwest	
ANTH 3019L	Experimental Archaeology and Ethnoarchaeology	
ANTH 3023	Native North American Art	
ANTH 3024	Pre-Columbian Art	
ANTH 3180	Introduction to Cultural Resource Management	
ANTH 3201	The Archaeology of the Senses	
ANTH 3360	Ancient Egyptian Archaeology	
ANTH 3500	The Race Concept in Biological Anthropology	
ANTH 3501	Human Origins	
ANTH 3502	Primate Evolution and Ecology	
ANTH 3503	Forensic Anthropology and Crime	
ANTH 3600	The History of Anthropological Thought	
ANTH 3601	Case Studies in Linguistic Anthropology	
ANTH 3602	Anthropology of Childhood	
ANTH 3603	Gendered Worlds: Power, Difference, and & In/equality	
ANTH 3604	Anthropology and Film	
ANTH 3605	Anthropology of Health	
ANTH 3606	Indigenous Politics	
ANTH 3607	Environmental Anthropology	
ANTH 3608	Humans, Animals, and Nature	
ANTH 3609	Urban Anthropology	
ANTH 3610	Cultural Entanglements and the Global Economy	
ANTH 3611	Religion and Culture	
ANTH 3701R	Cultures of Mexico and Central America	
ANTH 3702R	Anthropology of South America	
ANTH 3703R	Asian Cultures	
ANTH 3704R	Anthropology of the Middle East	
ANTH 3705R	Anthropology of Africa	
ANTH 3706R	Indians of North America	
ANTH 3707R	Indians of the Southwest	
ANTH 3910	Selected Topics in Anthropology	
ANTH 4500T	Late Pleistocene Human Evolution	
ANTH 4550	Egyptian Mining Expeditions, Their Buildings, and Their Slaves	
ANTH 4601L	Community Engaged Research Methods	

ANTH 4603L	Museum Research and Exhibit Development	
ANTH 4605T	Human Rights, Violence & Culture	
ANTH 4606T	Decolonizing Anthropology	
ANTH 5000	Senior Seminar in Anthropology	
ANTH 5099	Selected Topics in Archaeology	
ANTH 5399	Selected Topics in Biological Anthropology	
ANTH 5699	Selected Topics in Sociocultural Anthropology	
ANTH 5850	Fieldwork in Sociocultural Anthropology	
Secondary Field (6)		
Six upper-division units in Anthropology chosen from above for a secondary concentration.		6
Total Units		39

Communication Studies

(Primary Field 27 units, Secondary Field 12 units)

Three Core Courses (9)		9
COMM 3101	Communication, Self, and Others	
COMM 3102	Media, Culture, and Society	
COMM 4102	Ethical Aspects of Communication	
Primary Field (18)		18

Eighteen additional upper-division units in Communication Studies chosen for a primary field from the list of courses below.		
COMM 3212	Persuasion	
COMM 3227	Topics in Relational and Organizational Communication	
COMM 3230	Nonverbal Communication	
COMM 3231	Communication for Training Programs	
COMM 3301	Media Institutions in Context	
COMM 3305	Digital Media and Society	
COMM 3319	Topics in Media Studies	
COMM 3331	The Development of Motion Pictures	
COMM 3332	Movies in the Digital Age	
COMM 3333	Film Analysis	
COMM 3334	Global Cinema	
COMM 3335	Visual Communication	
COMM 3336	Queer Cinema	
COMM 3339	Topics in Film Studies	
COMM 3351	Introduction to Digital Video Editing	
COMM 3354	Fundamentals of Screenwriting	
COMM 3361	Digital Audio and Radio Production	
COMM 3371	Multimedia Journalism	
COMM 3372	Publication Design	
COMM 3379	Topics in Multimedia Journalism	
COMM 3401	Introduction to Strategic Communication	
COMM 3403	Business Literacy for Strategic Communication	
COMM 4101	Communication Research Methodology	
COMM 4202	Relational Communication	
COMM 4203	Organizational Communication	
COMM 4211	Communication and Gender	
COMM 4222	Communication and Conflict	
COMM 4231	Classroom Communication	
COMM 4241	Interviewing	

COMM 4301	Gender, Race, and Class in Media	
COMM 4302	Latinx, Media, and Cultures	
COMM 4303	Global Communication	
COMM 4304	Media Effects	
COMM 4305	Advertising as Social Communication	
COMM 4355	Digital Filmmaking I	
COMM 4356	Digital Filmmaking II	
COMM 5267	Advanced Topics in Relational and Organizational Communication	
COMM 5301	Media, Sex, and Violence	
COMM 5302	Communication Law and Policy	
COMM 5303	Muslim Women in Media and Society	
COMM 5311	Fundamentals of Social Media Management	
COMM 5312	Political Economy of Social Media Communication	
COMM 5313	Audience Analysis in Social Media	
COMM 5314	Social Media for Social Good	
COMM 5319	Advanced Topics in Media Studies	
COMM 5339	Advanced Topics in Film Studies	
COMM 5359	Advanced Topics in Digital Production	
COMM 5379	Advanced Topics in Multimedia Journalism	
Secondary Field (3)		3
Three additional upper-division units in Communication Studies from the above courses.		
Total Units		30

Economics

(Primary Field 27 units, Secondary Field 12 units)

Two core Economics courses: (6)		6
ECON 2201	Principles of Microeconomics	
ECON 2202	Principles of Macroeconomics	
Primary Field (21)		21
Twenty-one units of additional upper-division Economics courses from below:		
ECON 3101	Political Economy of Southern California	
ECON 3103	Environmental Economics	
ECON 3105	Political Economy	
ECON 3109	Political Economy of Women	
ECON 3125	Economic History of the United States	
ECON 3199	Economics in the Elementary and Middle School	
ECON 3312	Firms and Markets	
ECON 3314	Public Economics	
ECON 3316	Labor Economics	
ECON 3318	International Economics	
ECON 3400	Money, Banking, and Financial Markets	
ECON 3500	Tools of Economic Analysis	
ECON 3720	Behavioral Economics	
ECON 3730	Economic Development	
ECON 3740	Economics of Climate Change	
ECON 3750	Origins of Political Economy	
ECON 3780	Multinational Corporations	
ECON 3790	Post-Keynesian Economics	
ECON 3801	Selected Topics in Economics	

ECON 4100	Intermediate Microeconomics
ECON 4200	Intermediate Macroeconomics
ECON 4300	Econometrics
ECON 4400	Quantitative Methods in Economics
ECON 4525	Mixed Methods Research
ECON 4550	Advanced Tools of Economic Analysis
ECON 4700	History of Economic Thought
ECON 4815	Global Inequality and Growth
ECON 4900	Seminar in Economics
ECON 5510	Economics in the Classroom
ECON 5601	Service-Learning in Political Economy

Secondary Field (6)

Six units of additional upper-division Economics courses from above.	6
Total Units	33

Geography**(Primary Field 27 units, Secondary Field 12 units)**

Geography core course: (6)	3	
GEOG 1010	Introduction to Human Geography	3

Primary Field (24)

Twenty-four units of upper-division Geography courses from below.	24
GEOG 3004	Field Methods in Geography
GEOG 3018	Geographic Statistics and Research Methods
GEOG 3020	Social Geography
GEOG 3030	Cultural Geography
GEOG 3040	Urban Geography
GEOG 3045	Global Cities and Urban Environment
GEOG 3050	Economic Geography
GEOG 3060	Political Geography
GEOG 3065	Migration and Borderlands
GEOG 3500	Conservation and Natural Resources
GEOG 3501	Environmental Sustainability
GEOG 3605	Geography in the Elementary and Middle School Classroom
GEOG 3701	Environmental Policy and Impact Assessment
GEOG 3710	Advanced Geographic Information Systems
GEOG 3730	Geo-Spatial Analysis
GEOG 3900	Emerging Topics in Human Geography
GEOG 3901	Emerging Topics in Physical Geography
GEOG 3902	Emerging Topics in Environmental Studies
GEOG 3903	Emerging Topics in Global Studies
GEOG 3904	Emerging Topics in GIS and Spatial Techniques
GEOG 4050	Geography of California
GEOG 4055	US-Mexico Border Region
GEOG 4060	Emerging World Regions
GEOG 4070	Advanced World Regions
GEOG 4360	Climate Change
GEOG 4400	Geomorphology
GEOG 4450	Globalization and Identity
GEOG 4651	Coastal Resources Management
GEOG 4710	Water Wars

Secondary Field (6)

Six units of upper-division Geography courses from above.	6
Total Units	36

History**(Primary Field 27 units, Secondary Field 12 units)**

History core courses: (12)	6	
HIST 2000	United States History to 1877	3
HIST 2010	United States History, 1877 to the Present	3

Primary Field (21)

Twenty-one units of upper-division History courses from below.	21
HIST 3010	Teaching History
HIST 3012	Historical Archaeology
HIST 3018	Introduction to Cultural Resource Management
HIST 3050	Ancient and Medieval Europe to the Renaissance
HIST 3060	European History from the Renaissance to the Present
HIST 3100	Research Opportunity in History
HIST 3120	Historical Archaeology
HIST 3160	Archival Practices
HIST 3200	History of Ancient Greece
HIST 3210	History of Rome
HIST 3230	Introduction to Public and Oral History
HIST 3260	Historic Preservation
HIST 3290	Topics in Public History
HIST 3300	Topics in Oral History
HIST 3350	Modern Ireland
HIST 3360	Ancient Egyptian Archaeology
HIST 3380	Ancient Egyptian Art
HIST 3390	Culture and Society in Ancient Egypt
HIST 3400	African-American History, 1620-1865
HIST 3410	African-American History, 1865-Present
HIST 3420	American Indian History
HIST 3450	Women in U.S. History, 1607-Present
HIST 3460	Women in the Black Freedom Movement
HIST 3500	The American Colonies, 1607-1783
HIST 3510	The Evolution of American Democracy, 1783-1840
HIST 3540	Civil War and Reconstruction
HIST 3560	The United States, 1877-1917
HIST 3570	The United States, 1917-1945
HIST 3580	United States in World War II
HIST 3590	United States History, Cold War Era
HIST 3600	American History Through Film
HIST 3610	Chicana/o History Through Film
HIST 3620	LGBT History
HIST 3680	The United States, 1960s
HIST 3700	History of California
HIST 3710	California Indian History
HIST 3740	Collections Management
HIST 3750	Museum Management
HIST 3760	Exhibition Development and Design
HIST 3770	Historical Documentaries
HIST 3780	Museum Curation

HIST 3790	The History of Madness
HIST 3830	Classical Islamic Civilization
HIST 3840	Modern Middle East
HIST 3860	Africa to 1870
HIST 3870	Africa 1870 to Present
HIST 3880	The Rise, Decline and Legacy of Apartheid South Africa
HIST 3890	Images of Africa
HIST 3900	History of Modern Mexico
HIST 3910	Chicana/o History
HIST 3950	Topics in History
HIST 4000	Early Medieval Europe
HIST 4010	High Medieval Europe
HIST 4020	Renaissance and Reformation
HIST 4030	The Age of Absolutism and Enlightenment
HIST 4050	Nazi Germany and the Holocaust
HIST 4060	European Intellectual History
HIST 4090	Twentieth Century Europe
HIST 4100	Hitler's Europe
HIST 4180	Early American Biography
HIST 4220	20th Century Americans
HIST 4260	Ancient and Early Imperial China
HIST 4280	Medieval China
HIST 4290	Modern China I, 1644-1911
HIST 4310	Modern China II, 1911-Present
HIST 4330	Modern Chinese History in Fiction and Film
HIST 4350	World War II in the Pacific
HIST 4400	History of Modern East Asia
HIST 4490	Gender and Development in Africa
HIST 4500	History of Southern Africa
HIST 4510	The History of Health and Medicine in Africa
HIST 4520	Ancient Egyptian History, Origins to c. 1700 B.C.E.
HIST 4530	Ancient Egyptian History, c. 1700 B.C.E. to 1000 B.C.E.
HIST 4540	Ancient Egypt, c. 1000 B.C.E. to 495 C.E.
HIST 4560	Mughal India and the Early Modern World
HIST 4570	Modern India at the Crossroads of Empire
HIST 4580	Gandhi: Life and Legacy
HIST 4590	Media Cultures of the Indian Subcontinent
HIST 4650	Modern Central America
HIST 4660	Foreign Relations of Latin America
HIST 4670	Latin American History Through Film
HIST 4690	Colonial Latin America
HIST 4700	Modern Latin America
HIST 4800	History of Christianity I
HIST 4810	History of Christianity II
HIST 4850	Arab-Israeli Conflict
HIST 4860	Modern Iran
HIST 4870	Topics in Modern Middle Eastern History
HIST 4910	Nationalism and Conflict in the Middle East
HIST 4920	U.S. Media and the Middle East
HIST 4930	Iran-U.S. Relations

HIST 4950	Politics of Oil
HIST 5000	Tudor and Stuart England
HIST 5010	Britain, 1688-1901
HIST 5030	Europe Since 1945
HIST 5250	Editing and Publishing in History
HIST 5260	Sound History: Can We Hear the Past?
HIST 5270	Historical Audio-Broadcasting
HIST 5350	Studies in European National History
HIST 5400	Constitutional History of the United States
HIST 5410	U.S. Citizenship and the Law
HIST 5560	Foreign Relations of the United States
HIST 5600	History of the American West
HIST 5610	Gender, Sex, and Conquest in the American West
HIST 5640	Chicana/Mexicana Feminisms
HIST 5650	Immigration and Ethnic American History
HIST 5680	History of the U.S. - Mexico Borderlands
HIST 5750	Internship in History
HIST 5970	Senior Honors Project

Secondary Field (6)

Six units of upper-division History courses from above.	6
Total Units	39

Philosophy**(Primary Field 27 units, Secondary Field 21 units)****Primary Field Required Courses (21) (21)**

PHIL 1010	Introduction to Philosophical Problems	21
PHIL 2100	Critical Thinking Through Symbolic Logic	
PHIL 3001	Philosophy in the World	
PHIL 3210	Ancient Philosophy	
PHIL 3250	Early Modern Philosophy	
PHIL 3310	Ethics	
	or PHIL 3330(Social and Political Philosophy)	
PHIL 3550	Metaphysics	
	or PHIL 358(Philosophy of Language)	

Any 6 units of upper-division Philosophy courses, of which at least 3 must be taken at the 4000 level. (6)**Secondary Field (12)**

Required courses:

PHIL 1010	Introduction to Philosophical Problems	
PHIL 2100	Critical Thinking Through Symbolic Logic	
An additional 6 unites from the courses below:		6
PHIL 3001	Philosophy in the World	
PHIL 3210	Ancient Philosophy	
PHIL 3250	Early Modern Philosophy	
PHIL 3310	Ethics	
	or PHIL 333(Social and Political Philosophy)	
PHIL 3550	Metaphysics	
	or PHIL 358(Philosophy of Language)	

Total Units 39

Political Science

(Primary Field 27 units, Secondary Field 12 units)

Political Science core courses: (6) 6

PSCI 2030	Government of the United States
PSCI 2040	International Relations

Primary Field (21)

Twenty-one units of upper-division Political Science courses from below. 21

PSCI 3000	Western Political Systems
PSCI 3010	African Politics
PSCI 3040	East European Political Systems
PSCI 3050	East Asian Politics
PSCI 3060	Latin American Politics
PSCI 3080	Government and Politics of the Middle East
PSCI 3100	Classical Political Thought
PSCI 3110	Foundations of Modern Political Thought
PSCI 3130	Modern Political Thought
PSCI 3140	American Political Thought
PSCI 3150	Post Modern Political Thought
PSCI 3200	The Legislative Process
PSCI 3250	American Foreign Policy
PSCI 3260	Political Parties and Interest Groups
PSCI 3280	Judicial Process
PSCI 3300	State and Local Politics
PSCI 3320	California Government
PSCI 3400	Sex and Politics
PSCI 3420	The Politics of Environment
PSCI 3520	Minority Politics: Ethnic Politics
PSCI 3521	Minority Politics: African American Politics
PSCI 3522	Minority Politics: Latino Politics
PSCI 3523	Minority Politics: Asian American Politics
PSCI 3524	Minority Politics: Native American Politics
PSCI 3750	Introduction to Political Science Research
PSCI 3800	Introduction to Public Administration
PSCI 4000	International Politics
PSCI 4100	American Constitutional Law
PSCI 4110	The Bill of Rights
PSCI 4120	Civil Rights
PSCI 4310	The American Presidency
PSCI 4840	National Security Policy
PSCI 5000	International Law
PSCI 5100	International Organization
PSCI 5200	War and Politics
PSCI 5250	Constitutional Interpretation
PSCI 5280	Formulation of Public Policy
PSCI 5300	Studies in Political Theory
PSCI 5350	Seminar in Constitutional Law
PSCI 5400	Seminar in Comparative Politics
PSCI 5600	Intergovernmental Relations
PSCI 5970	Senior Honors Thesis

Secondary Field (6)

Six units of upper-division Political Science courses from above. 6

Total Units 33

Psychology

(Primary Field 27 units, Secondary Field 12 units)

Psychology core courses: (6) 6

PSYC 1100	Introduction to Psychology
PSYC 2210	Psychological Statistics

Primary Field (21)

Twenty-one units of upper division Psychology courses from below. 21

PSYC 3300	Positive Psychology
PSYC 3301	Psychology of Human Sexuality
PSYC 3303	Parenting and Family Relations
PSYC 3305	Language Development
PSYC 3310	Applied Research Methods
PSYC 3311	Research Methods in Psychology
PSYC 3318	Health Psychology
PSYC 3320	Psychology of Middle Childhood
PSYC 3325	Development of Intimate Relationships
PSYC 3328	Psychology of Adolescent Development
PSYC 3329	Psychology of Adulthood and Aging
PSYC 3331	Psychology of Women and Gender
PSYC 3333	Drugs and Behavior
PSYC 3334	Addiction and Recovery
PSYC 3339	Methods in Human Neuroscience
PSYC 3340	Stereotyping, Prejudice and Discrimination
PSYC 3341	Women and Violence
PSYC 3345	Cross-Cultural Psychology
PSYC 3349	Gay and Lesbian Issues: Psychological Perspectives
PSYC 3350	Development of Exceptional Children
PSYC 3351	Behavior Modification: Principles and Applications
PSYC 3354	Organizational Psychology
PSYC 3355	Industrial Psychology
PSYC 3357	History and Systems of Psychology
PSYC 3358	Cognitive Development
PSYC 3359	Evolutionary Psychology
PSYC 3360	Cognitive Psychology
PSYC 3361	Intelligence and Creativity
PSYC 3362	Learning and Motivation
PSYC 3363	Biological Psychology
PSYC 3364	Perception
PSYC 3365	Cognitive Neuroscience
PSYC 3367	Neuropsychiatric Disorders
PSYC 3368	MARC Seminar I
PSYC 3370	Topics in Psychology
PSYC 3372	Psychology of Death and Dying
PSYC 3375	Seminar in Psychology
PSYC 3377	Tests and Measurements
PSYC 3381	Forensic Psychology
PSYC 3382	Social Psychology
PSYC 3384	Social and Emotional Development

PSYC 3385	Personality Psychology
PSYC 3386	Introduction to Psychotherapy
PSYC 3387	Community Psychology
PSYC 3390	Abnormal Psychology
PSYC 3391	Psychopathology of Childhood
PSYC 3395	Psychology of Consciousness
PSYC 4400	Child Assessment
PSYC 4410	Advanced Psychological Statistics
PSYC 4421	Advanced Seminar in Psychology: Developmental
PSYC 4422	Advanced Seminar in Psychology: Clinical
PSYC 4423	Advanced Seminar in Psychology: Biological
PSYC 4424	Advanced Seminar in Psychology: Social
PSYC 4425	Advanced Seminar in Psychology: Personality
PSYC 4426	Advanced Seminar in Psychology: Learning and Motivation
PSYC 4427	Advanced Seminar in Psychology: Cognition and Perception
PSYC 4428	Advanced Seminar in Psychology: Industrial and Organizational
PSYC 4431	Experimental Psychology: Developmental
PSYC 4432	Experimental Psychology: Clinical
PSYC 4433	Experimental Psychology: Biological
PSYC 4434	Experimental Psychology: Social
PSYC 4435	Experimental Psychology: Personality
PSYC 4436	Experimental Psychology: Learning and Motivation
PSYC 4437	Experimental Psychology: Cognition and Perception
PSYC 4438	Experimental Psychology: Industrial and Organizational
PSYC 4442	Behavioral Neuroscience
PSYC 5538	Introduction to Psychopharmacology
PSYC 5539	Current Methods in Neuroscience
PSYC 5540	Work, Retirement, and Leisure
PSYC 5562	Neural Mechanisms of Learning and Memory
PSYC 5567	Neural Substrates of Psychiatric Disorders
PSYC 5581	Current Professional Issues in Industrial-Organizational Psychology
PSYC 5582	Diversity, Work, and Family
PSYC 5583	Occupational Health Psychology

Secondary Field (6)

Six units of upper division Psychology courses from above.	6
Total Units	33

Sociology**(Primary Field 27 units, Secondary Field 12 units)**

Sociology core courses (12)	6	
SOC 1000	Introduction to Sociology	3
SOC 3110	Sociological Theory	3

Primary Field (21)

Twenty-one units of upper-division Sociology courses from below.	21
SOC 3010	Qualitative Analysis & Field Research
SOC 3020	Introduction to Community-Based Research
SOC 3070	Quantitative Analysis & Survey Research

SOC 3300	Aging and The Lifecourse
SOC 3350	Population and Society
SOC 3360	Black Women and Feminism
SOC 3390	Socialization
SOC 3400	Sociology of Families
SOC 3410	The African American Family
SOC 3420	The Latino Family
SOC 3430	Sociology of Violence
SOC 3440	LGBTQ Families
SOC 3500	Criminology
SOC 3540	Deviant Behavior
SOC 3550	Medical Sociology
SOC 3560	Sociology of Mental Health
SOC 3600	Social Psychology
SOC 3800	Sociology of Religion
SOC 4100	Sociology of Race and Ethnicity
SOC 4180	Social Welfare in the U.S.
SOC 4200	Social Movements
SOC 4220	Sociology of Work
SOC 4240	Social Networks
SOC 4300	Urban Sociology
SOC 4320	Political Sociology
SOC 4340	Community Organization
SOC 4360	Group Dynamics
SOC 4400	Social Inequality
SOC 4410	Black Americans in Contemporary Society
SOC 4420	The Latino Experience in the U.S.
SOC 4440	Sociology of Sex and Gender
SOC 4510	Sociology of Migration
SOC 4520	Social Change and Innovation
SOC 4530	Citizenship, Status, and Inequality
SOC 4840	Social Casework
SOC 4900	Crime, Desistance, and Reentry
SOC 5250	Indian Nations and Native America
SOC 5300	Global Aging
SOC 5400	Sociology of Education
SOC 5450	Indigenous Peoples
SOC 5510	Borders, Knowledges, and Identities
SOC 5600	Social Determinants of Health

Secondary field (6)

Six units of upper-division Sociology courses from above.	6
Total Units	39

Theatre Arts**(Primary Field 27 units, Secondary Field 12 units)**

Theatre Arts core courses: (9)	9
TA 1140	Fundamentals of Acting
TA 1141	Improvisation
TA 2131	Fundamentals of Stage Design

Primary field (18)

Eighteen units of upper division Theatre Arts courses from below.	18
TA 3122	Performance Practicum

TA 3123	Performance Practicum
TA 3131	Technical Practicum
TA 3132	Technical Practicum
TA 3141	The Improvisational Mind
TA 3143	Fundamentals of Directing
TA 3161	Theatre History and Literature I
TA 3162	Theatre History and Literature II
TA 3240	Scene Study
TA 3310	Graphic Communication for Theatrical Design
TA 3320	Scenic Design
TA 3330	Costume Design
TA 3340	Sound Design
TA 3350	Lighting Design
TA 3410	Theatre in the Classroom
TA 3602	Dramatic Analysis and Playwriting for Teachers
TA 3647	Playwriting
TA 3711	Dance Techniques: Jazz
TA 3712	Dance Techniques: Modern
TA 3713	Dance Techniques: Tap
TA 3714	Dance Techniques: Ballet
TA 3715	Dance Techniques: Musical Theatre
TA 3720	World Dance Traditions
TA 3730	Dance Notation
TA 3731	Dance History
TA 4163	Criticism of Plays in Performance
TA 4170	Theatre Applications/Project Preparation
TA 4171	Theatre Arts Capstone
TA 4241	Styles of Acting
TA 4242	Acting for the Camera
TA 4320	Scenic Crafts
TA 4330	Costume Crafts
TA 4340	Lighting Crafts
TA 4350	Audio Crafts
TA 4410	Drama in Education
TA 4420	Touring Practicum
TA 4430	Puppetry
TA 4440	Creative Movement in the Classroom
TA 4450	Arts in Action: Theatre
TA 4451	Arts in Action: Dance
TA 4510	Acting in Musical Theatre
TA 4520	Singing for Musicals
TA 4643	Directing and Devising Performance
TA 4661	Dramatic Literature I: Classical to 1800
TA 4662	Dramatic Literature II: 19th Century to Contemporary
TA 4663	Dramatic Literature of Identity
TA 4664	Theatre for Youth: History and Literature
TA 4665	Shakespeare I
TA 4666	Shakespeare II
TA 4750	Choreography
TA 5141	Entrepreneurial Improvisation and Creativity
TA 5440	Advanced Creative Dance Methods

Secondary field (3)

Three units of upper division Theatre Arts courses from above.	3
Total Units	30

World Languages

(Primary Field 27 units of Upper Division Coursework, Secondary Field 12 units of Upper Division Coursework from ONE of following: Arabic, French OR Spanish)

Arabic primary field (27)

Twenty-seven units of upper division Arabic courses below.	27
ARAB 3111	Arab Culture, Media and Identity
ARAB 3112	Explorations of Arabic Literary Texts
ARAB 3113	Spoken Arabic
ARAB 3114	Introduction to Arabic Linguistics
ARAB 3115	Introduction to Arabic Translation
ARAB 3116	Explorations in Arabic Media
ARAB 3117	Advanced Arabic for Professional Communication
ARAB 3150	Arabic Conversation Activity
ARAB 3160	Writing Explorations
ARAB 3900	Female Voices in Arab American Literature
ARAB 4112	Advanced Readings in Arabic
ARAB 4113	Arabic Pedagogy
ARAB 4500	Signature Work
ARAB 4900	Voices and Visions from the Arab World
ARAB 5900	Global Perspectives and Study Abroad

Arabic secondary field (12)

Twelve units of upper division Arabic courses above.	12
Total Units	39

French primary field (27)

Twenty-seven units of upper division French courses below.	27
FREN 3000	Enhancing Your French
FREN 3111	Approaches to French Literature
FREN 3112	From Cannes to Cameroon: Francophone Cinema and Culture
FREN 3113	Geographies of Identity: Francophone Cultures in Context
FREN 3114	Paris: Cultural and Historical Capital
FREN 3150	French Conversation Lab
FREN 3160	French Writing Lab
FREN 3320	French Translation
FREN 3550	French Phonetics
FREN 3701	Study Abroad
FREN 3702	Study Abroad
FREN 3703	Study Abroad
FREN 3704	Study Abroad
FREN 3900	Voices & Visions from the Francophone World
FREN 3960	French for Reading 1
FREN 3961	French for Reading 2
FREN 4150	Interconnections: French Literature and Ideas
FREN 4250	French Fêtes: Music, Cuisine and the Arts

FREN 4350	Intersections: Topics in French Civilization	
FREN 4450	French Means Business	
FREN 4550	Introduction to French Linguistics	

French secondary field (12)

Twelve units of upper division French courses above.	12
Total Units	39

Spanish primary field (27)

Twenty-seven units of upper division Spanish courses below. 27

SPAN 3051	Culture, Health, and Food in Latin America	
SPAN 3301	Advanced Spanish Language and Composition	
SPAN 3302	Advanced Spanish Language and Composition Writing Lab	
SPAN 3303	Introduction to Literature in Spanish Speaking World	
SPAN 3305	Applied Spanish Grammar	
SPAN 3307	Cultures of Spain	
SPAN 3308	Cultures of Spain Activity	
SPAN 3309	Cultures of Spanish America	
SPAN 3310	Cultures of Spanish America Activity	
SPAN 3900	Voices & Visions from the Hispanic World	
SPAN 4401	Spanish for the Professions	
SPAN 4402	Spanish for the Professions Activity	
SPAN 4403	Spanish Dialectology	
SPAN 4404	Spanish Dialectology Activity	
SPAN 4407	Special Topics in Peninsular Literature	
SPAN 4409	Special Topics in Spanish American Literature	
SPAN 4411	Special Topics in Spanish Language Cinema and/or Theatre	
SPAN 4412	Special Topics in Spanish Language Cinema and/or Theatre Activity	
SPAN 5501	Seminar in Peninsular Literature, Culture, Theater and Film	
SPAN 5502	Peninsular Literature, Culture, Theater, and Film: Portfolio	
SPAN 5503	Seminar in Spanish American Literature, Culture, Theater and Film	
SPAN 5504	Spanish American Literature, Culture, Theater, and Film: Portfolio	
SPAN 5505	Seminar in Hispanic Linguistics	
SPAN 5507	Seminar in Special Interdisciplinary Topics in Spanish Literature, Linguistics, or Culture	
SPAN 5555	Study Abroad and International Experience	
SPAN 5556	Study Abroad and International Experience	
SPAN 5557	Study Abroad and International Experience	

Spanish secondary field (12)

Twelve units of upper division Spanish courses above.	12
Total Units	39

Bachelor of Arts in Social Work

The School of Social Work offers courses leading to the Bachelor of Arts in Social Work. This degree prepares baccalaureate students for generalist social work practice in agency settings with individuals, families, groups organizations and communities and communities. The program is accredited by the Council on Social Work Education, the national accrediting body for social work programs. The program is intensive, exciting, and applies to a wide variety of client populations.

Students must complete a supplemental application to the School of Social Work for admission into the Bachelor of Arts in Social Work. This program is impacted.

Admission Requirements

1. Completion of a supplemental application packet including personal statement of commitment to the social work profession, two references, and transcripts; (Contact the School of Social Work for more information.)
2. Completion of all lower division General Education and additional lower division requirements
3. An overall grade point average (GPA) of 2.5 or higher.

Requirements to enter the Bachelor of Arts in Social Work

Basic Skills in Written Communication (A1) (3)	3
Basic Skills in Oral Communication (A2) (3)	3
Basic Skills in Mathematics (A3) (3)	3
MATH 1201 Introduction to Statistical Thinking	
Basic Skills in Critical Thinking (A4) (3)	3
PSYC 1105 Critical Thinking in Everyday Life or SOC 1800 Critical Thinking about Social Issues	
Natural Sciences Breadth Area (B2) (8)	4
Choose one of the following:	
BIOL 1000 Introduction to Biology & 1000L and Introduction to Biology Lab	4
or	
BIOL 1100 Course BIOL 1100 Not Found	
BIOL 1100L Course BIOL 1100L Not Found	
Humanities Breadth Area (C3) (6)	3
SPAN 1112 College Spanish 2	3
Social and Behavioral Sciences Breadth Area (D4) (6)	
PSYC 1100 Introduction to Psychology	3
SOC 1000 Introduction to Sociology	3
Additional Lower Division Requirements to enter the Bachelor of Arts in Social Work (15-16)	
SW 2000 Introduction to Social Work	3
CJUS 1101 Introduction to the Criminal Justice System	3
One of the following:	
PSYC 2210 Psychological Statistics	

ADMN 2100 Applied Business Statistics

Total Units

47-48

School Regulations

Students must attain grades of "C" or better in all Social Work courses required for the major order to progress in the program.

Requirements (49 units)

Total units required for graduation: 120

Requirements for the B.A. in Social Work

(Program Code: BASW)

Lower-Division requirements (29)

MATH 1201	Introduction to Statistical Thinking (GE A3)	3
PSYC 1105	Critical Thinking in Everyday Life (GE A4) or SOC 1800 Critical Thinking about Social Issues	3
BIOL 1000 & 1000L	Introduction to Biology and Introduction to Biology Lab (GE B2)	4
SPAN 1112	College Spanish 2	3
PSYC 1100	Introduction to Psychology (GE D4)	3
SOC 1000	Introduction to Sociology	3
SW 2000	Introduction to Social Work	3
CJUS 1101	Introduction to the Criminal Justice System	3
PSYC 2210	Psychological Statistics or ADMN 2100 Applied Business Statistics	4

Upper-division requirements (43)

PSYC 3390	Abnormal Psychology or PSYC 3391 Psychopathology of Childhood	3
PA 3800	Introduction to Public Administration	3
SSCI 3060	Expository Writing for the Social Sciences	3
SW 3001	Social Welfare Policy I	3
SW 3002	Social Welfare Policy II	3
SW 3010	Social Work Research	4
SW 3021	Human Behavior and the Social Environment I	3
SW 3022	Human Behavior and the Social Environment II	3
SW 4001	Social Work Practice I	3
SW 4002	Social Work Practice II	3
SW 4011	Field Work	4
SW 4012	Field Work II	4
SW 4200	Social Work Capstone	1
Three units chosen from:		3

SW 3200 Child Welfare Services

SW 3250 Social Work Interventions in Substance Abuse

SW 5900 Special Topics

Discipline requirements (6)

Courses taken to satisfy upper-division requirements cannot count toward the six units for the discipline requirement.

Six units in one of the following disciplines 6

Criminal Justice

CJUS 3354 Victimology

CJUS 3370 Law and the Courts

CJUS 4460 Drugs and the Criminal Justice System

CJUS 4462	Domestic Violence
CJUS 4465	Hate Crime and Law Policy
Child Development	
CD 2205	Diversity in Child Development
CD 3324	Developmental Psychobiology
Political Science	
PSCI 3300	State and Local Politics
PSCI 5280	Formulation of Public Policy
Psychology	
PSYC 3303	Parenting and Family Relations
PSYC 3320	Psychology of Middle Childhood
PSYC 3328	Psychology of Adolescent Development
PSYC 3329	Psychology of Adulthood and Aging
PSYC 3331	Psychology of Women and Gender
PSYC 3372	Psychology of Death and Dying
PSYC 3386	Introduction to Psychotherapy
PSYC 3387	Community Psychology
Sociology	
SOC 3400	Sociology of Families
SOC 3430	Sociology of Violence
SOC 4100	Sociology of Race and Ethnicity
SOC 4400	Social Inequality
SOC 4420	The Latino Experience in the U.S.
Total Units	78

DRAFT 9/2019

Bachelor of Arts in Sociology

The sociology major offers students a rigorous program of study to examine social phenomenon, develop theoretical and methodological proficiencies, and apply a critical understanding of complex social issues and processes. The curriculum is designed to provide students with a solid sociological foundation to analyze social structures and contribute to transforming and diversifying our social world.

We offer a Social Services and Community Research concentration to further develop students' understanding of community dynamics and strengths, and promote civic engagement through the application of analytical skills to collaborate with community organizations on projects to benefit and empower the community. The Sociology program also prepares students to pursue graduate degrees in sociology, social work, counseling, and other social sciences fields. Additionally, many of our Sociology graduates pursue careers in helping professions, education, criminal justice, law, health care, etc.

Requirements (37 units)

Total units required for graduation: 120 units

Requirements for the B.A. in Sociology

(Program Code: SOCG)

Foundation (10)

SOC 1000	Introduction to Sociology	3
SOC 3110	Sociological Theory	3
SOC 3070	Quantitative Analysis & Survey Research	4

Upper-division Electives (21)

Select 7 Courses from below:		21
SOC 3300	Aging and The Lifecourse	
SOC 3350	Population and Society	
SOC 3360	Black Women and Feminism	
SOC 3390	Socialization	
SOC 3400	Sociology of Families	
SOC 3410	The African American Family	
SOC 3420	The Latino Family	
SOC 3430	Sociology of Violence	
SOC 3440	LGBTQ Families	
SOC 3500	Criminology (this course does not count toward an elective for Social Service and Community Research Concentration)	
SOC 3540	Deviant Behavior	
SOC 3550	Medical Sociology	
SOC 3560	Sociology of Mental Health	
SOC 3600	Social Psychology	
SOC 3800	Sociology of Religion (this course does not count toward an elective for Social Service and Community Research Concentration)	
SOC 4100	Sociology of Race and Ethnicity	
SOC 4180	Social Welfare in the U.S.	

SOC 4200	Social Movements (this course does not count toward an elective for Social Service and Community Research Concentration)
SOC 4220	Sociology of Work
SOC 4240	Social Networks
SOC 4300	Urban Sociology
SOC 4320	Political Sociology (this course does not count toward an elective for Social Service and Community Research Concentration)
SOC 4340	Community Organization
SOC 4360	Group Dynamics
SOC 4400	Social Inequality
SOC 4410	Black Americans in Contemporary Society
SOC 4420	The Latino Experience in the U.S.
SOC 4440	Sociology of Sex and Gender
SOC 4510	Sociology of Migration
SOC 4520	Social Change and Innovation
SOC 4530	Citizenship, Status, and Inequality
SOC 4840	Social Casework
SOC 4900	Crime, Desistance, and Reentry

Concentration (6)

Students must satisfy the requirements of one of the concentrations listed below: 6

Total Units 37

Concentrations (6 units)

General Sociology Concentration (6 units)

SOC 3010	Qualitative Analysis & Field Research	3
or SOC 3020	Introduction to Community-Based Research	

A minimum of three units chosen from the following: 3

SOC 5250	Indian Nations and Native America
SOC 5300	Global Aging
SOC 5400	Sociology of Education
SOC 5450	Indigenous Peoples
SOC 5500	Applied Sociological Research
SOC 5510	Borders, Knowledges, and Identities
SOC 5600	Social Determinants of Health
SOC 5752	Internship and Applied Research
SOC 5900	Seminar in Sociology
SOC 5971	Honors Seminar 1
SOC 5972	Honors Seminar 2

Total Units 6

Social Service and Community Research Concentration (6 units)

(program code: SSCR)

SOC 3020	Introduction to Community-Based Research	3
SOC 5751	Internship and Practicum	3

Total Units 6

Bachelor of Arts in Spanish

Requirements (42-48 units)

Total units required for graduation: 120

Requirements for the B.A. in Spanish

Eight units chosen from: 8

SPAN 2111	Intermediate Spanish 1st. Semester	
SPAN 2112	Intermediate Spanish 2nd. Semester	
SPAN 2151	Accelerated Intermediate Spanish	
SPAN 2251	Intermediate Healthcare Spanish I	
SPAN 2252	Intermediate Healthcare Spanish II	

Or proficiency at the intermediate level equal to that of SPAN 2212 or SPAN 2252.

Core curriculum (12)

SPAN 3301	Advanced Spanish Language and Composition	3
SPAN 3303	Introduction to Literature in Spanish Speaking World	3
SPAN 3305	Applied Spanish Grammar	3
SPAN 4401	Spanish for the Professions	3

Core Activity (6)

SPAN 3302	Advanced Spanish Language and Composition Writing Lab	1
SPAN 4402	Spanish for the Professions Activity	1

Four units chosen in Peninsular Literature, Culture, Theater and Film 4

SPAN 5501	Seminar in Peninsular Literature, Culture, Theater and Film	
SPAN 5502	Peninsular Literature, Culture, Theater, and Film: Portfolio	
SPAN 5503	Seminar in Spanish American Literature, Culture, Theater and Film	
SPAN 5504	Spanish American Literature, Culture, Theater, and Film: Portfolio	
SPAN 5505	Seminar in Hispanic Linguistics	
SPAN 5506	Hispanic Linguistics: Portfolio	

Interdisciplinary topics (3)

SPAN 5507	Seminar in Special Interdisciplinary Topics in Spanish Literature, Linguistics, or Culture	3
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Elective (3)

Any Spanish Upper Division Upper Division Course or Spanish Faculty approved course	3
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Concentration (10-16) 10-16

Students must complete all of the requirements from one of the concentrations listed below.

Total Units 42-48

Bachelor of Arts in Studio Art Studies

ART 5500	Undergraduate Professional Practices	3
Total Units		36

This program is designed for students with a general interest in the studio arts, who may want to also pursue coursework in other areas.

Requirements (36)

Total units required for graduation: 120

Requirements for the B.A. in Studio Art Studies

Lower Division Studio Requirements (21)

Choose three foundation courses from the following list: 9

ART 1120 2D Foundation: Line, Color and Composition

ART 1130 3D Foundation: Form, Space & Time

ART 1140 Creative Technology for Artists

ART 1150 Language of Art

ART 1160 Introduction to Drawing and Life Drawing

Choose 2 beginning courses for a total of 6 units: 6

ART 2240 Beginning Imaging and Illustration

ART 2260 Beginning Photography

ART 2290 Beginning Painting

ART 2320 Beginning Ceramics

ART 2330 Beginning Glass

ART 2350 Beginning Sculpture

Art History. Choose one lower-division Art History course from: 3

AH 1103 Art History Methodologies 1

AH 1104 Art History Methodologies 2

AH 1221 Art History Foundations 1

AH 1222 Art History Foundations 2

Visual Studies. One lower division Visual Studies course. 3

Upper Division Studio Requirements: (12)

Choose 2 core intermediate level courses. 6

ART 3160 Intermediate Drawing and Life Drawing

ART 3240 Intermediate Imaging and Illustration

ART 3260 Intermediate Photography

ART 3290 Intermediate Painting

ART 3320 Intermediate Ceramics

ART 3330 Intermediate Glass

ART 3350 Intermediate Sculpture

Choose 2 advanced level courses, one must be 4000 level. 6

ART 3780 Special Topics in Art

ART 4160 Advanced Drawing and Life Drawing

ART 4240 Advanced Imaging and Illustration

ART 4260 Advanced Photography

ART 4290 Advanced Painting

ART 4320 Advanced Ceramics

ART 4330 Advanced Glass

ART 4350 Advanced Sculpture

Senior Capstone (3)

Bachelor of Arts in Theatre Arts

Requirements (43-44 units)

Total units required for graduation: 120

Requirements for the B.A. in Theatre Arts

Lower-division requirements (9)

TA 2131	Fundamentals of Stage Design	3
TA 1140	Fundamentals of Acting	3
TA 1141	Improvisation	3

Upper Division Requirements (22)

TA 3143	Fundamentals of Directing	3
TA 3122	Performance Practicum	2
TA 3132	Technical Practicum	2
TA 3161	Theatre History and Literature I	3
TA 3162	Theatre History and Literature II	3
TA 4163	Criticism of Plays in Performance	3
TA 4170	Theatre Applications/Project Preparation	3
TA 4171	Theatre Arts Capstone	3

Concentration (12-13)

Students must satisfy the requirements of one of the concentrations 12-13 listed below

Total Units	43-44
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Concentrations

Acting Concentration (12 units)

(Program Code: TACT)

Core Acting courses: (12)

TA 3210	Voice and Movement	3
TA 3240	Scene Study	3
TA 4241	Styles of Acting	3
TA 4242	Acting for the Camera	3
or TA 4510	Acting in Musical Theatre	3

Total Units	12
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Design/Technical Concentration (12 units)

(Program Code: TDES)

Core Technical Theatre courses: (12)

TA 3310	Graphic Communication for Theatrical Design	3
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Two of the following courses: 6

TA 3320	Scenic Design	
TA 3330	Costume Design	
TA 3340	Sound Design	
TA 3350	Lighting Design	

One of the following courses: 3

TA 4320	Scenic Crafts	
TA 4330	Costume Crafts	

TA 4340	Lighting Crafts	
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TA 4350	Audio Crafts	
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Total Units	12
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Drama Education Concentration (12 units)

(Program Code: TDED)

Core Theatre Education courses: (12)

TA 4420	Touring Practicum	3
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TA 3410	Theatre in the Classroom	3
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Two from the following courses: 6

TA 4410	Drama in Education	
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TA 4430	Puppetry	
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TA 4440	Creative Movement in the Classroom	
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Total Units	12
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Musical Theatre Concentration (13 units)

(Program Code: TMUS)

Core Musical Theatre courses: (13)

TA 3210	Voice and Movement	3
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TA 3240	Scene Study	3
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TA 4510	Acting in Musical Theatre	3
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TA 4520	Singing for Musicals	2
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One course from the following: 2

TA 3713	Dance Techniques: Tap	
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TA 3715	Dance Techniques: Musical Theatre	
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Total Units	13
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Bachelor of Arts with Special Major

Requirements (36 units)

Total units required for graduation: 120

(Program Code: SINT)

Occasionally, students with specialized educational or professional objectives may find that the existing degree programs offered at the university do not satisfy personal needs or career plans and that a carefully structured, interdisciplinary program of study is more appropriate.

The B.A. with Special Major is an interdisciplinary program intended for students with unusual interests and abilities who have the initiative and desire to design their own major with the aid of faculty and professional advisors. The purpose of these individually-designed special majors is to provide a carefully controlled opportunity for exceptional students to design, with faculty approval, a flexible interdisciplinary course of study that leads to a Bachelor of Arts degree.

Admission normally is limited to students who can design (with the aid of a faculty committee) individualized programs organized around a coherent topic or cross-disciplinary subject that involves two or more departments. Occasionally, short-term interests in interdisciplinary programs may be served by more structure and degree plans organized by faculty for groups of students.

The B.A. with Special Major is not intended to bypass normal graduation requirements or to avoid certain requirements of a regular major offered at CSUSB or at other nearby institutions. The self-designed major should not substantially duplicate any existing degree offered at CSUSB. Likewise, a Special Major cannot be developed in areas such as architecture, agriculture, or engineering where the campus lacks the necessary faculty expertise to guide the student and supervise the culminating project. Students must have an overall grade point average of 3.0 including work taken at all institutions and must maintain a 3.0 average in the courses required for the self-designed major.

Although the Special Major is a unique program that suits individual goals, has potential to combine fields and functions, and can add distinction to the degree, such an interdisciplinary program may pose professional obstacles and be difficult to explain to graduate schools and employers. Career goals and prerequisites for higher degrees should be reviewed before proceeding with this major. In particular, students who will be seeking a teaching credential should consult with faculty in the College of Education to see how a Special Major might impact subject matter requirements for teachers.

Interested students should contact the Office of Undergraduate Studies to begin the application and screening process. Prospective majors should be prepared to present a one-page description and justification of the program which outlines the concepts, goals and objectives to be fulfilled by the Special Major. If, after discussing the tentative interdisciplinary interests of the student, the Office of Undergraduate Studies believes the student should be encouraged to prepare a formal application and proposal for a Special Major, a packet of information and forms for justifying and submitting the proposed interdisciplinary curriculum will be provided to the student. If the student has not yet found faculty members who are interested in helping the student develop the curriculum and

guide their study, the Office of Undergraduate Studies will suggest possible faculty committee members.

Requirements for the Major

1. Only regularly matriculated students with a 3.0 overall grade point average may be admitted to the Special Major program.
2. The minimum requirements for a Special Major will be 36 units (with at least 24 units in upper-division coursework) of carefully structured coursework in two or more fields. Additional units beyond the minimum may be required by the faculty committee.
3. The Special Major must include at least one 3-unit upper division required 'writing-intensive' (WI) designated course as part of the structured coursework.
4. The Special Major must be proposed prior to the senior year. A student should have completed no more than 84 units at time of application for the Special Major and have a minimum of 36 units left to complete.
5. Neither lower-division nor upper-division General Education courses may be counted in the major, though they may supplement, strengthen and provide background for the major.
6. The Special Major is not available as a "double major," nor is it available to students pursuing a second bachelor's degree.
7. A culminating experience (project, research paper or other written documentation) and verification of accomplishment of project is required. Up to three units of credit for this may be built into the requirements of the major.

Application Process

1. Determine the feasibility of pursuing a Special Major by reviewing the requirements and examining available programs and majors to see if the proposed major could be met though any of these. Explore the resources of the campus needed for a Special Major in terms of course offerings, library resources, facilities, and faculty expertise.
2. Develop a statement of goals and objectives and the interdisciplinary program proposal which specifically addresses the following: What is the purpose or focus of this specially designed major? What skills does the student already have? What additional knowledge is needed? What is the best way to reach the goal? What is the student's career objective? Are there plans for advanced training and study?
3. Consult with the Office of Undergraduate Studies about the process as well as interests and goals. One week prior to this meeting, the student must submit a written description and justification of the area of study based on goals and objectives. The Office of Undergraduate Studies will contact departments and faculty members to discuss the feasibility of this area of study. If the draft proposal is acceptable, forms for formally developing and proposing the degree requirements will be provided.
4. A faculty committee will be appointed at this time based on recommendations of the Office of Undergraduate Studies and appropriate departments. A chair will be elected by the committee. Normally, the faculty committee will be made up of faculty from the departments and disciplines of the interdisciplinary interests, e.g., a program in Arts Management would usually have faculty committee from the arts and business.
5. Work with the faculty committee to determine the best and most appropriate courses to include in the Special Major. Consideration should be given to prerequisites courses needed as preparation for

the 36 units (24 upper-division) minimum of study required in the Special Major.

6. The Special Major proposal must be signed by three faculty members who have worked with the student in developing the proposed course of study. The faculty member who will chair the advisory committee must write a statement of support which includes a brief evaluation of the proposal.
7. On the form provided, list the lower-division support courses which were taken in preparation for the upper-division component. These may include General Education and transfer courses where appropriate and directly related to your planned area of study.
8. List the minimum of 36 units of course work to be included in the Special Major. As an interdisciplinary program, these courses should include work from at least two and usually three or more departments. To avoid later difficulties with key courses that are not offered prior to graduation, reasonable substitutions should be listed where possible.
9. Submit the Special Major proposal along with a copy of transcripts of all college work completed to the Office of Undergraduate Studies. This proposal will be forwarded to the University Curriculum Committee for consideration. The committee meets regularly throughout the academic year and applications can be submitted at any time, though every effort should be made to turn in the proposal early enough in the term to receive approval prior to registration for the next term. Applications cannot be considered during the summer quarter. (The application materials should be filled out with great care and accuracy. Hastily done or carelessly prepared proposals are unlikely to convince the Curriculum Committee of the seriousness of the proposal.)
10. In some cases, the University Curriculum Committee may invite students and/or their faculty advisor to discuss the proposal with the committee, especially where clarification or changes are requested.
11. The Office of Undergraduate Studies will notify the student in writing of the decision of the University Curriculum Committee. This may be approval, conditional approval based on recommend changes/ revisions in curriculum or disapproval.
12. Any change or substitution of courses in the approved program must be approved by the student's faculty committee and the Office of Undergraduate Studies.
13. Upon approval of the Special Major proposal, the student may formally declare a Special Major. At graduation, the diploma will show only a B.A. with Special Major, but the transcript will reflect the nature or title of the special interdisciplinary study in this fashion: B.A. with Special Major in (subject area).

Bachelor of Fine Arts in Art

The Bachelor of Fine Arts, with concentrations in Studio Art and in Visual Studies, is a degree that allows for protracted and thorough creative research in the art studio or community. Coursework includes five foundation level courses that prepare students for courses in the major studio areas or in critical and visual studies. Students have the option of specializing in certain area(s) while choosing from a breadth of topic courses that offer exposure to a broad repertoire of contemporary art practices. The culminating experience is expressed through a project where students develop critical skills in constructive discourse and professional methods by completing either an exhibition of artwork or an independent community-based or public project.

Requirements (74-79 units)

Total units required for graduation: 123-128

Requirements for the B.F.A. in Art

Lower Division requirements: (24)

Foundation Requirements		
ART 1120	2D Foundation: Line, Color and Composition	3
ART 1130	3D Foundation: Form, Space & Time	3
ART 1140	Creative Technology for Artists	3
ART 1150	Language of Art	3
ART 1160	Introduction to Drawing and Life Drawing	3
Art History. Two lower division art history courses.		
Choose one from:		
AH 1103	Art History Methodologies 1	3
AH 1104	Art History Methodologies 2	3
And choose one from:		
AH 1221	Art History Foundations 1	3
AH 1222	Art History Foundations 2	3
Studio Art lower division common requirements. Choose 1 lower division studio course from Group A or B listed in the Studio Art Concentration.		

Upper Division requirements (17)

Studio Art upper division common requirements. Choose 1 upper division studio course from the list in the Studio Art Concentration.		
Choose one Art History course from:		
AH 3250	Topics and Themes of Art History and Exhibitions	3
AH 4250	Art History Seminar	3
ART 3520	Socially-engaged Art	3
ART 4530	Art Writing	3
ART 5500	Undergraduate Professional Practices	3
Choose at least 2 units from:		
ART 5750	Internship in Art- Reflection Component	3
ART 5751	Internship in Art	3
ART 4500	Advanced Art Laboratory	3

Concentration (33-38)

Students must complete the requirements of one of the concentrations listed below: 33-38

Total Units 74-79

Concentrations (33-38 units)

Visual Studies Concentration (33 units)

Lower Division Requirements

Choose one:			3
ART 2395	Art in the Classroom		
ART 4450	Arts in Action: Visual Art		
9 units of Integrated Courses chosen from:			
ART 3400	Art and Social Action: Critical and Pedagogical Theories		3
Choose one:			3
ART 3331	Art and Restorative Justice		
ART 3332	Case Studies in Art and Activism		
Choose one:			3
ART 2280	From Teaching Artists to Social Practice: A History		
ART 2329	Chicanx Art		
9 units of Interdisciplinary Course requirements chosen from:			9
ANTH 1002	Understanding Cultural Diversity		
COMM 3335	Visual Communication		
MGMT 4050	Managing Across Borders		
PSYC 3300	Positive Psychology		
SOC 4900	Crime, Desistance, and Reentry		
Other Upper Division Requirements:			
ART 4460	Art and Human Development		3
ART 4520	Leadership and Engagement in the Arts		3
ART 5540	Social Practice and Participatory Art		3
Choose one:			3
ART 4551	Community-based Art Practicum		
ART 4552	Arts in Corrections Practicum		
Total Units			33

Studio Art Concentration (38 units)

Choose and additional 3 courses not previously taken in the Studio Arts common requirements. Of the 4 courses total, 2 must be from Group A and 2 from Group B. 12

Group A:		
ART 2240	Beginning Imaging and Illustration	
ART 2260	Beginning Photography	
ART 2290	Beginning Painting	
Group B:		
ART 2320	Beginning Ceramics	
ART 2330	Beginning Glass	
ART 2350	Beginning Sculpture	
Upper Division Requirements		
Visual Studies. Choose one upper division course from the list below. 3		
ART 3331	Art and Restorative Justice	
ART 3400	Art and Social Action: Critical and Pedagogical Theories	
ART 4460	Art and Human Development	

ART 4520	Leadership and Engagement in the Arts	
ART 5540	Social Practice and Participatory Art	
Choose 2 courses of intermediate studio:		6
ART 3160	Intermediate Drawing and Life Drawing	
ART 3240	Intermediate Imaging and Illustration	
ART 3260	Intermediate Photography	
ART 3290	Intermediate Painting	
ART 3320	Intermediate Ceramics	
ART 3330	Intermediate Glass	
ART 3350	Intermediate Sculpture	
Choose 17 units from upper division studio courses, from the list above if not already taken or from the list below. At least 6 units must be 4000 level.		17
ART 5750	Internship in Art- Reflection Component	
ART 5751	Internship in Art	
ART 5752	Internship in Art	
ART 5753	Internship in Art	
ART 3780	Special Topics in Art	
ART 4160	Advanced Drawing and Life Drawing	
ART 4240	Advanced Imaging and Illustration	
ART 4260	Advanced Photography	
ART 4290	Advanced Painting	
ART 4320	Advanced Ceramics	
ART 4330	Advanced Glass	
ART 4350	Advanced Sculpture	
ART 4500	Advanced Art Laboratory	
Total Units		38

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Bachelor of Fine Arts in Design

This program is for students with strong professional interest in design; desire to select a concentration and specialize in either Interface Design, Motion, 3D, or Marketing; and desire to complete a capstone thesis project in design.

Requirements (72 units)

Total units required for graduation: 121 units

Requirements for the B.F.A. in Design

Lower-Division Core (24)

DES 1100	Digital Applications Basics	3
DES 1110	Fundamental Design Principles	3
DES 1125	Design Thinking - Problem Solving & Critical Thinking in Visual Studies	3
DES 2600	Digital 3D and Time-Based Media	3
DES 2005	Typography and Layout	3
DES 2405	Application Programming for Designers	3
Select two courses in Art/Design History:		6
AH 1103	Art History Methodologies 1	
AH 1104	Art History Methodologies 2	
AH 1221	Art History Foundations 1	
AH 1222	Art History Foundations 2	

Upper-Division Core (24)

DES 3100	Junior Portfolio Review	0
DES 3130	Junior Design Topics	3
DES 3500	Business of Creativity	3
DES 3130	Junior Design Topics	3
DES 3715	User Interface and User Experience Design	3
DES 4130	Senior Design Topics	3
DES 4100	Design Center - Collaborative Project-Based Learning	3
DES 4130	Senior Design Topics	3
DES 5590	Design Internship	3
or DES 4195	Design Portfolio	

Capstone Courses (12)

DES 5100	Design Capstone Thesis: Research	6
DES 5115	Design Capstone Thesis: Project	6

Concentration (12)

Complete four courses in one of the concentrations listed below. 12

Total Units 72

Concentrations (12 units)

Interface Design Concentration (12 units)

DES 4015	Advertising and Promotion Design	3
DES 3700	Infographic and Data Visualization Design	3
DES 3205	Web and Application Design	3
DES 3020	Branding and Brand Identity Design	3

Motion Concentrations (12 units)

DES 3600	Digital Motion Graphics	3
DES 3615	Video Editing	3
DES 4625	Storyboarding	3
DES 4610	Virtual Reality	3

3D Concentration (12 units)

DES 3800	Advanced Modeling	3
DES 3835	Character Design	3
DES 4800	Computer-Aided Design (CAD)	3
DES 4825	3D Animation	3

Marketing Concentration (12 units)

Marketing Concentration (12)

MKTG 3050	Marketing Principles	3
MKTG 4100	Consumer Behavior	3
MKTG 4460	Integrated Marketing Communications	3
MKTG 4750	Digital Marketing	3

Bachelor of Music

The Bachelor of Music program prepares students for careers as professional performers of classical art music or in music teaching. Students must meet rigorous academic and artistic standards to enter and continue in the program, and after graduation the majority of students in performance concentrations pursue advanced music degrees or similar post-baccalaureate training. Students in the music education concentration pursue post-baccalaureate credentials to teach music. The performance concentrations puts particular focus on real world performing as a supplementary learning experience, with emphasis on auditions for professional engagements and competitions, service learning, and formation of ad hoc ensembles. The music education concentration puts similar focus on pre-professional activities, including substantive observations in school music settings, as well as pursuit of meaningful paid or volunteer teaching in such settings.

Entrance to Bachelor of Music requires a demonstration of significant academic, performance, and intellectual achievement. Students may apply at any time for entrance to the Bachelor of Music, but freshmen students usually apply to enter the program after the completion of two semesters of CSUSB coursework, and transfers usually apply immediately before their first semester of enrollment. Students whose initial application does not result in acceptance into the program may apply a maximum of one additional time.

Only Bachelor of Music students in performance concentrations may enroll in "applied and repertoire" courses (MUS 2390-2395, 3390-3395, and 4390-4395), and they may enroll for a maximum of three semesters at each level. After three semesters at one level, a student unable to satisfy completion requirements cannot continue in the Bachelor of Music degree and will be counseled to instead pursue the BA in Music or a degree in some other discipline.

All students enrolled as full-time music majors in the Bachelor of Music are required to participate each semester until graduation in a major performing ensemble most appropriate to a student's applied emphasis:

As prerequisites for acceptance into the Bachelor of Music, students must complete the following as a Pre-Bachelor of Music major.

1. Complete the following courses with a minimum grade of B- in each:

MUS 2120	Theory I	3
MUS 2125	Musicianship I	2
MUS 2130	Theory II	3
MUS 2135	Musicianship II	2

2. Complete 2 units in one of:

MUS 1400	Lower-Division Voice I	1
MUS 1410	Lower-Division Keyboard I	1
MUS 1420	Lower-Division String Instrument I	1
MUS 1430	Lower-Division Wind Instrument I	1
MUS 1440	Lower-Division Brass Instrument I	1
MUS 1450	Lower-Division Percussion Instrument I	1

3. Pass a diagnostic test of music theory knowledge;

4. Pass a performance audition. Students must demonstrate a high potential for success as a professional musical performer or music teacher based on a performance audition for a committee of music faculty. Students must perform two contrasting works of significant repertoire for their audition; vocalists must include works in two different languages;

5. Submit a written essay as part of a formal application process. More information about the essay's expected content is available in the Department of Music's handbook.

Upon acceptance into the Bachelor of Music, the student's major will be changed from Pre-Bachelor of Music to Bachelor of Music. The requirements for the Pre-Bachelor of Music major are also requirements for the Bachelor of Arts in Music. Students who are not accepted to the Bachelor of Music degree, or who decide not to pursue it, can easily change their degree objective to the Bachelor of Arts in Music. More information about the application process is available in the Department of Music's handbook, the department office in Performing Arts, room 111, and by phone at (909) 537-5859. Transfer students who have already completed the Pre-Bachelor of Music requirements listed below should apply to the Bachelor of Music in Performance program immediately after acceptance to CSUSB.

Continuation in and graduation from the program require the following:

1. A minimum GPA of 2.75 in all CSUSB coursework, and a minimum GPA of 3.0 in all CSUSB music coursework. Students whose academic achievement falls below either GPA minimum for two or more consecutive semesters in a row cannot continue in the program;
2. Normally two semesters are required in each level of applied lessons, and a maximum of three semesters of enrollment are allowed in each level. Students not able in three semesters to complete requirements for an applied level cannot continue in the Bachelor of Music program.

Additionally, before enrolling in MUS 3390 Junior Recital or MUS 5981 Music Education Senior Project, students must satisfy the piano proficiency requirement (by examination or completion of MUS 2230) and complete all "core" music theory and musicianship courses (MUS 2120, 2125, 2130, 2135, 2140, 2145, 2150, and 2155). Approval to give a performance for MUS 3390 Junior Recital or MUS 4990 Senior Recital requires completion of a recital hearing at least four weeks before the planned performance date. Recital hearings are played for a faculty committee that includes a student's studio teacher and at least two other faculty members. For MUS 4990, students must submit written program notes at their hearings that meet writing, formatting, and content standards published in the Department of Music handbook. If program notes do not meet the department's minimum standards, the hearing committee can deny the student permission for the recital performance. The department's handbook is published online at the Music department website.

Requirements (79-82 units)

Total units required for graduation (125-128)

Requirements for the B.M.

Core Requirements (51)

Music Theory

MUS 2120	Theory I	3
MUS 2125	Musicianship I	2
MUS 2130	Theory II	3
MUS 2135	Musicianship II	2
MUS 2140	Theory III	3
MUS 2145	Musicianship III	2
MUS 2150	Theory IV	3
MUS 2155	Musicianship IV	2
MUS 2660	Electronic Music Production	3
Conducting		
MUS 2100	Conducting	2
Piano proficiency		
MUS 2230	Class Piano IV	1
Piano proficiency can also be met by examination. Contact the Department of Music for details		
Music history		
MUS 3040	Western Music History to 1700	3
MUS 3050	Western Music History from 1700 to 1900	3
MUS 3060	Western Music History from 1900 to the present	3
MUS 3500	Global Music *	3
Eight units chosen from:		8
MUS 2000	Large Music Ensemble	1
MUS 3800	Symphony Orchestra	1
MUS 3810	Symphonic Band	1
MUS 3850	Concert Choir	1
MUS 3860	Chamber Singers	1
Participation in one of the major performance organizations most appropriate to the student's major instrument is required each semester in residence with a maximum of eight units being applied to the Major		
Concentration (33-36)		
Students must satisfy the requirements of one of the concentrations 33-36 listed below		
Total Units		84-87

* MUS 3500 double counts for General Education's upper-division C-category requirement.

Concentrations (33-36 units)

Music Education Concentration (35-36)

Applied Study		
Two units selected from:		2
MUS 1400	Lower-Division Voice I	
MUS 1410	Lower-Division Keyboard I	
MUS 1420	Lower-Division String Instrument I	
MUS 1430	Lower-Division Wind Instrument I	
MUS 1440	Lower-Division Brass Instrument I	
MUS 1450	Lower-Division Percussion Instrument I	
Two units selected from:		2
MUS 2400	Lower-Division Voice II	
MUS 2410	Lower-Division Keyboard II	
MUS 2420	Lower-Division String Instrument II	
MUS 2430	Lower-Division Wind Instrument II	

MUS 2440	Lower-Division Brass Instrument II	
MUS 2450	Lower-Division Percussion Instrument II	
Two units selected from:		2
MUS 3400	Upper-Division Voice I	
MUS 3410	Upper-Division Keyboard Instrument I	
MUS 3420	Upper-Division String Instrument I	
MUS 3430	Upper-Division Wind Instrument I	
MUS 3440	Upper-Division Brass Instrument I	
MUS 3450	Upper-Division Percussion Instrument I	
MUS 1000	Music Forum	4
MUS 2010	Class Strings	2
MUS 2020	Class Woodwinds	2
MUS 2030	Class Brass	2
MUS 2040	Class Percussion	2
MUS 2050	Class Guitar	1
MUS 2114	Introduction to Music Education	2
One course selected from:		1-2
MUS 2060	Class Voice	
MUS 2110	Lyric Diction I	
MUS 2111	Lyric Diction II	
One course selected from:		2
MUS 3010	Advanced Choral Conducting and Literature	
MUS 3030	Advanced Instrumental Conducting and Literature	
One course selected from:		2
MUS 3600	Choral Methods	
MUS 3700	MARCHING BAND METHODS	
MUS 4085	Instrumentation and Arranging	2
MUS 4100	Music in the Elementary Schools	3
MUS 4110	Teaching Music in Secondary Schools	3
MUS 5981	Music Education Senior Project	1
Total Units		35-36

Vocal Performance Concentration (33 units)

(Program Code: MUPV)

Applied Study			14
MUS 1400	Lower-Division Voice I (for a total of 2 units)		
MUS 2390	Applied Voice and Repertoire I (for a total of 4 units)		
MUS 3390	Applied Voice and Repertoire II (for a total of 4 units)		
MUS 4390	Applied Voice and Repertoire III (for a total of 4 units)		
MUS 1000	Music Forum	2	
Chamber music			2
Three units selected from:		3	
MUS 3870	Opera Theatre I		
MUS 3970	Opera Theatre II		
MUS 2110	Lyric Diction I	2	
MUS 2111	Lyric Diction II	2	
MUS 3110	Performance Literature	2	
MUS 4500	Applied Pedagogy	1	
MUS 3990	Junior Recital	1	

MUS 4990	Senior Recital	1
Language		3
Three units from German, French, and Italian language, subject to advisor's approval. Additional units in language highly recommended.		
Elective units in music		2
Total Units		35

Instrumental Performance Concentration (33 units)

(Program Code: MUPI)

Applied Study		14
Two units selected from:		
MUS 1420	Lower-Division String Instrument I	
MUS 1430	Lower-Division Wind Instrument I	
MUS 1440	Lower-Division Brass Instrument I	
MUS 1450	Lower-Division Percussion Instrument I	
Four units selected from:		
MUS 2392	Applied Strings and Repertoire I	
MUS 2393	Applied Woodwind and Repertoire I	
MUS 2394	Applied Brass and Repertoire I	
MUS 2395	Applied Percussion and Repertoire I	
Four units selected from:		
MUS 3392	Applied Strings and Repertoire II	
MUS 3393	Applied Woodwind and Repertoire II	
MUS 3394	Applied Brass and Repertoire II	
MUS 3395	Applied Percussion and Repertoire II	
Four units selected from:		
MUS 4392	Applied Strings and Repertoire III	
MUS 4393	Applied Woodwind and Repertoire III	
MUS 4394	Applied Brass and Repertoire III	
MUS 4395	Applied Percussion and Repertoire III	
MUS 1000	Music Forum	2
Chamber Music		4
Four units selected from:		
MUS 3820	Chamber Winds	
MUS 3821	Chamber Music: Percussion Ensemble	
MUS 3822	Chamber Music: Flute Choir	
MUS 3823	Chamber Music: Brass Quintet	
MUS 3824	Chamber Music: Saxophone Ensemble	
MUS 3826	Chamber Music: Clarinet Ensemble	
MUS 3827	Chamber Music: Jazz Combo	
MUS 3830	Chamber Music: Strings	
MUS 3831	Chamber Music: Collaborative Piano	
MUS 3910	Jazz Ensemble	
MUS 3920	Vocal Jazz	
MUS 3030	Advanced Instrumental Conducting and Literature	2
MUS 3110	Performance Literature	2
MUS 4500	Applied Pedagogy	1
MUS 3990	Junior Recital	1
MUS 4990	Senior Recital	1

Music electives	6
Total Units	33

Piano Performance Concentration (33 units)

(Program Code: MUPP)

Applied Study		14
MUS 1410	Lower-Division Keyboard I (for a total of 2 units)	
MUS 2391	Applied Piano and Repertoire I (for a total of 4 units)	
MUS 3391	Applied Piano and Repertoire II (for a total of 4 units)	
MUS 4391	Applied Piano and Repertoire III (for a total of 4 units)	
MUS 1000	Music Forum	2
Chamber Music		6
MUS 3831	Chamber Music: Collaborative Piano (for a total of 4 units)	
Two units selected from:		
MUS 3820	Chamber Winds	
MUS 3821	Chamber Music: Percussion Ensemble	
MUS 3822	Chamber Music: Flute Choir	
MUS 3823	Chamber Music: Brass Quintet	
MUS 3824	Chamber Music: Saxophone Ensemble	
MUS 3826	Chamber Music: Clarinet Ensemble	
MUS 3827	Chamber Music: Jazz Combo	
MUS 3830	Chamber Music: Strings	
MUS 3870	Opera Theatre I	
MUS 3970	Opera Theatre II	
MUS 3910	Jazz Ensemble	
MUS 3920	Vocal Jazz	
MUS 3110	Performance Literature	2
MUS 4500	Applied Pedagogy	1
MUS 3990	Junior Recital	1
MUS 4990	Senior Recital	1
Music electives		6
Total Units		33

Guitar Performance Concentration (33 units)

(Program Code: MUPG)

Applied Study		14
MUS 1420	Lower-Division String Instrument I (for a total of 2 units)	
MUS 2392	Applied Strings and Repertoire I (for a total of 4 units)	
MUS 3392	Applied Strings and Repertoire II (for a total of 4 units)	
MUS 4392	Applied Strings and Repertoire III (for a total of 4 units)	
MUS 1000	Music Forum	2
Chamber Music		6
MUS 3825	Chamber Music: Guitar Ensemble (for a total of 4 units)	

Two units selected from:

MUS 3820	Chamber Winds	
MUS 3821	Chamber Music: Percussion Ensemble	
MUS 3822	Chamber Music: Flute Choir	
MUS 3823	Chamber Music: Brass Quintet	
MUS 3824	Chamber Music: Saxophone Ensemble	
MUS 3826	Chamber Music: Clarinet Ensemble	
MUS 3827	Chamber Music: Jazz Combo	
MUS 3830	Chamber Music: Strings	
MUS 3831	Chamber Music: Collaborative Piano	
MUS 3910	Jazz Ensemble	
MUS 3920	Vocal Jazz	
MUS 3110	Performance Literature	2
MUS 4500	Applied Pedagogy	1
MUS 3990	Junior Recital	1
MUS 4990	Senior Recital	1
Music electives		6
Total Units		33

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Bachelor of Science in Bioinformatics

Bioinformatics is an interdisciplinary field that develops methods and software tools for understanding biological data. As an interdisciplinary field of science, bioinformatics combines computer science, statistics, mathematics, and engineering to analyze and interpret biological data.

Requirements (75 units)

Total units required for graduation: 120

Requirements for the B.S. in Bioinformatics

(Program Code: BINF)

Lower-division requirements (50)

BIOL 2010	Principles of Biology I	5
BIOL 2020	Principles of Biology II	5
CSE 2010	Computer Science I	4
CSE 2020	Computer Science II	4
CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1
CHEM 2300	Organic Chemistry for Life Sciences	4
MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2265	Statistics with Applications	3
MATH 2310	Applied Linear Algebra	4
MATH 2720	Discrete Mathematics	3

Upper-division requirements (25)

BIOL 3120	Molecular Biology	4
CHEM 4100	Biochemistry I	3
CSE 4310	Algorithm Analysis	3
CSE 4880	Ethics Senior Seminar	3
CSE 5160	Machine Learning	3
CSE 5500	Advanced Bioinformatics I: Sequence Analysis	3
CSE 5510	Advanced Bioinformatics II: Numerical Modeling	3
CSE 5720	Database Systems	3

Total Units		75
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Bachelor of Science in Bioinformatics

Bioinformatics is an interdisciplinary field that develops methods and software tools for understanding biological data. As an interdisciplinary field of science, bioinformatics combines computer science, statistics, mathematics, and engineering to analyze and interpret biological data.

Requirements (75 units)

Total units required for graduation: 120

Requirements for the B.S. in Bioinformatics

(Program Code: BINF)

Lower-division requirements (50)

BIOL 2010	Principles of Biology I	5
BIOL 2020	Principles of Biology II	5
CSE 2010	Computer Science I	4
CSE 2020	Computer Science II	4
CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1
CHEM 2300	Organic Chemistry for Life Sciences	4
MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2265	Statistics with Applications	3
MATH 2310	Applied Linear Algebra	4
MATH 2720	Discrete Mathematics	3

Upper-division requirements (25)

BIOL 3120	Molecular Biology	4
CHEM 4100	Biochemistry I	3
CSE 4310	Algorithm Analysis	3
CSE 4880	Ethics Senior Seminar	3
CSE 5160	Machine Learning	3
CSE 5500	Advanced Bioinformatics I: Sequence Analysis	3
CSE 5510	Advanced Bioinformatics II: Numerical Modeling	3
CSE 5720	Database Systems	3

Total Units		75
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Bachelor of Science in Bioinformatics

Bioinformatics is an interdisciplinary field that develops methods and software tools for understanding biological data. As an interdisciplinary field of science, bioinformatics combines computer science, statistics, mathematics, and engineering to analyze and interpret biological data.

Requirements (75 units)

Total units required for graduation: 120

Requirements for the B.S. in Bioinformatics

(Program Code: BINF)

Lower-division requirements (50)

BIOL 2010	Principles of Biology I	5
BIOL 2020	Principles of Biology II	5
CSE 2010	Computer Science I	4
CSE 2020	Computer Science II	4
CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1
CHEM 2300	Organic Chemistry for Life Sciences	4
MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2265	Statistics with Applications	3
MATH 2310	Applied Linear Algebra	4
MATH 2720	Discrete Mathematics	3

Upper-division requirements (25)

BIOL 3120	Molecular Biology	4
CHEM 4100	Biochemistry I	3
CSE 4310	Algorithm Analysis	3
CSE 4880	Ethics Senior Seminar	3
CSE 5160	Machine Learning	3
CSE 5500	Advanced Bioinformatics I: Sequence Analysis	3
CSE 5510	Advanced Bioinformatics II: Numerical Modeling	3
CSE 5720	Database Systems	3

Total Units		75
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Bachelor of Science in Biology

The Bachelor's of Science in Biology is designed to give students a broad foundation in the biological sciences while affording them the freedom to specialize in a subfield of their choice. The core requirements emphasize the relationship between structure and function in living systems and the concept that biological processes can be studied at the cellular/molecular, organismal, population, and ecosystem levels. Upper division electives allow students the option to tailor their curriculum towards particular subjects in biology. The degree prepares students for a variety of careers in the biological sciences and related fields, such as: biology- or science-related positions in academia, government, non-government organizations (NGOs), or industry; entry to graduate programs in biological research; or entry to pre-professional programs including medicine, dentistry, or veterinary medicine.

Students majoring in Biology may repeat an upper-division Biology course no more than once. Failing any two upper-division Biology courses disqualifies the student from continuation as a Biology major.

The Department also offers an articulation and Early Admission Program that provides admission to the Doctor of Osteopathic Medicine Program at Western University of Health Sciences. It is available on a competitive basis to a limited number of CSUSB Biology students. The program is open to CSUSB Biology majors only, who may apply for admission to the program after completing BIOL 2010, 2020, CHEM 2100, 2100L, 2200, 2200L, and MATH 2210 at CSUSB with a grade point average of at least 3.3 in those courses. Applicants will be screened and interviewed by a joint committee from CSUSB and Western University of Health Sciences, and up to four students will be admitted annually.

Candidates accepted to the program who (1) maintain a minimum grade point average of 3.3 in the required courses and complete specified upper division coursework for the major, (2) achieve a score of 500 or higher Medical College Admission Test (MCAT), and (3) complete the specified course work will:

1. satisfy the requirements for the B.S. in Biology and
2. have a position reserved for them in the Doctor of Osteopathic Medicine program at Western University of Health Sciences for the year following completion of the B.S. degree. Additional information regarding application and admission to the program is available in the Biology Department Office and on the Biology Department website.

Requirements (72-76 units)

Total units required for graduation: 120

Students majoring in Biology may repeat an upper-division Biology course no more than once. Failing any two upper-division Biology courses disqualifies the student from continuation as a Biology major.

Requirements for the B.S. in Biology

(Program Code: BIOL)

Lower-division requirements (42-46)

BIOL 2010	Principles of Biology I	5
BIOL 2020	Principles of Biology II	5
CHEM 2100	General Chemistry I	4

CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1

Organic chemistry

One of the sets of chemistry courses listed below (choose Group A, Group B, or Group C):

Group A:

CHEM 2400	Organic Chemistry I Lecture
CHEM 2400L	Organic Chemistry I Laboratory
CHEM 2500	Organic Chemistry II
CHEM 2500L	Organic Chemistry II Laboratory

Group B:

CHEM 2300	Organic Chemistry for Life Sciences
CHEM 2400L	Organic Chemistry I Laboratory
CHEM 4100	Biochemistry I
CHEM 4100L	Biochemistry I Laboratory

Group C:

CHEM 2300	Organic Chemistry for Life Sciences
CHEM 2400L	Organic Chemistry I Laboratory
CHEM 3200	Quantitative Analysis

Note: The requirement in organic chemistry may be met by the completion of one year of transferable organic chemistry course work from another institution of higher education.

MATH 2210	Calculus I	4
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A series of physics courses: chose Group A or B below: 10-13

Group A:

PHYS 2000	Introduction to Physics I
PHYS 2000L	Introduction to Physics I Lab
PHYS 2010	Introduction to Physics II
PHYS 2010L	Introduction to Physics II Lab

Group B:

PHYS 2500	General Physics I
PHYS 2500L	General Physics I Lab
PHYS 2510	General Physics II
PHYS 2510L	General Physics II Lab
PHYS 2700	Modern Physics

Upper-division requirements (30)

BIOL 5000	Biology Seminar	1
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A minimum of 29 units of upper-division course work in biology (excluding courses numbered BIOL 3000-3099), with at least one course from each of Groups A, B, C, and D below:

Group A (Cell/Molecular):

BIOL 3100	Cell Biology
BIOL 3120	Molecular Biology
BIOL 3200	Microbiology
BIOL 3300	Genetics

Group B (Zoology):

BIOL 3420	Comparative Biology of the Vertebrates
BIOL 3410	Biology of Invertebrates
BIOL 3430	Mammalogy
BIOL 3440	Herpetology
BIOL 3450	Ornithology
BIOL 3460	Entomology

BIOL 3630 Comparative Animal Physiology I

BIOL 3640 Comparative Animal Physiology II

Group C (Botany):

BIOL 3520 Local Flora

BIOL 3540 Plant Biology and Diversity

BIOL 4510 Plant Physiology

BIOL 4580 Medical and Economic Botany

Group D (Population and Ecosystem Biology):

BIOL 3700 Evolution

BIOL 3800 Ecology

BIOL 3820 Microbial Ecology

Total Units

72-76

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Bachelor of Science in Career and Technical Studies

Admission to the Program

As prerequisites for acceptance into the B.S. in Career and Technical Studies, students must complete the following as a "Pre-Career and Technical Studies major." Upon acceptance into the program, a student's major will be changed from "Pre-CTS" to "Career and Technical Studies" status.

Requirements to enter the B.S. in Career and Technical Studies:

1. An earned AA or AS degree in a technical field or consent of the department advisor;
2. Completed CSU GE-Breadth Certification from a California Community College, including the American Institutions requirements (U.S. History, U.S. Constitution, and California State and Local Government);
3. A minimum of 60 earned semester units;
4. A minimum GPA of 2.0;
5. A formal application submitted to the program adviser. Please see the Department of Educational Leadership and Technology for forms.

Requirements (60 units)

Total units required for graduation: 120

Requirements for the B.S. in Career and Technical Studies

(Program Code: CTEC)

Career and Technical Studies (27)

Students must complete 15 required units and 12 elective units from this area as specified in a program plan developed with a program adviser.

ECTS 5010	Principles and Methods for Teaching Designated Subjects	3
ECTS 5020	Instructional Support for Teaching Designated Subjects	3
ECTS 5040	Principles of Career and Technical Education	3
ECTS 5080	Organization and Structure of Career and Technical Programs	3
ECTS 5410	Topics in Career and technical Education	3
Twelve units chosen from:		12
ECTS 5090	Personnel Management in Career and Technical Programs	
ECTS 5100	Field Work in Coordination and Supervision of Career and Technical Programs	
ECTS 5180	Field Work in Designated Subjects	
ECTS 5190	Instructional Technology for Career and Technical Educators	

ECTS 5200	Curriculum Development for Career and Technical Programs
ECTS 5210	Assessing Student Progress
ECTS 5220	Directing and Managing Occupational Programs
ECTS 5230	Learning Theory and Instructional Research

Instructional Technology (15)

Students must complete 15 required units as specified in a program plan developed with a program advisor. 15

EETC 5000	Foundations in Instructional Design & Technology
EETC 5010	Foundations of e-Learning
EETC 5410	E-Learning Design and Development
EETC 5423	Seminar in Instructional Design & Technology
EETC 5440	Instructional Design I
EETC 5460	Technology Integration in The Classroom

Entrepreneurship (18)

Students will complete 15 required units and 3 elective units from this area as specified in a program plan developed with a program advisor. 18

ENR 3000	Entrepreneurship and Innovation
ENR 3003	Experiencing Entrepreneurship
ENR 4420	Small Business Management
ENR 5430	Ideation and Creative Problem Solving
ENR 5440	Developing the New Venture
ENR 5450	Resources for the Entrepreneur
ENR 5980	Reflective Essay

Three units chosen from:

ENR 5155	Business Consulting
ENR 5470	Managing a Growing Business
HRM 4550	Human Resources Management
MKTG 3050	Marketing Principles
MKTG 4300	Professional Selling and Sales Management

Total Units 60

Note: In order to qualify for the Designated Subjects Career and Technical Education Teaching Credential, students should have at least three years of verifiable work experience directly related to each industry sector named on the credential. One year must equal a minimum of 1000 clock hours for ROP or 1500 hours for adult education. Students pursuing the credential must also earn a "B" or better in all professional education courses attempted (those with the ECTS prefix).

Bachelor of Science in Chemistry

The Bachelor of Science in Chemistry program is certified by Committee on Professional Training of the American Chemical Society. It is designed for the student who plans a career in chemistry or a related field upon graduation or plans to go on to graduate school in the chemical sciences.

It is also an option for students interested in medicine, pharmaceutical sciences, clinical laboratory science, forensics, environmental science, as well as industries such as petrochemicals, instrumentation, food, nutraceuticals, or cosmetics. The program provides foundational course work in the sub-disciplinary areas of organic, inorganic, physical, analytical, and biochemistry with cognate course work in biology, mathematics and physics. A concentration in biochemistry or chemistry is required.

The chemistry option requires in-depth courses in instrumental analysis, an inorganic chemistry lab, materials or polymer chemistry, one upper-division chemistry elective, and completion of a senior project. The biochemistry option requires additional biology and biochemistry course and laboratory work, and may be more appropriate for students interested in the biotech industry, medical, or pharmacy school.

Requirements (80-81 units)

Total units required for graduation: 120

Requirements for the B.S. Chemistry

Lower-division requirements (37)

BIOL 2010	Principles of Biology I	5
CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1
MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2310	Applied Linear Algebra	4
PHYS 2500	General Physics I	4
PHYS 2500L	General Physics I Lab	1
PHYS 2510	General Physics II	4
PHYS 2510L	General Physics II Lab	1

Upper-division requirements (19)

CHEM 3200	Quantitative Analysis	4
CHEM 3400	Principles of Organic Chemistry I	5
CHEM 3500	Principles of Organic Chemistry II	5

Note: The organic chemistry requirement may be met with the following five courses (13 units) instead of Chem 3400 and Chem 3500:

CHEM 2400	Organic Chemistry I Lecture	
CHEM 2400L	Organic Chemistry I Laboratory	
CHEM 2500	Organic Chemistry II	
CHEM 2500L	Organic Chemistry II Laboratory	
CHEM 3600	Intermediate Organic Chemistry	
CHEM 4100	Biochemistry I	3
CHEM 4100L	Biochemistry I Laboratory	1

CHEM 5800	Chemistry Seminar	1
CHEM 5990	Undergraduate Comprehensive Examination	0
Select one of the following two concentrations to complete the major (24-25)		24 or 25
Total Units		80-81

Concentrations (24-25 units)

Chemistry Concentration (24-25 units)

Choose one of the following: 3
or
4

MATH 2270	Differential Equations with Dynamical Systems I	
MATH 2320	Multivariable Calculus	
CHEM 4300	Inorganic Chemistry	4
CHEM 4400	Physical Chemistry I	3
CHEM 4500	Physical Chemistry II	3
CHEM 4550	Physical Chemistry Laboratory	1

Choose one of the following: 2

CHEM 5100	Polymer Science	
CHEM 5150	Materials Chemistry	
CHEM 5200	Instrumental Analysis	5

Choose one of the following: 1

CHEM 5850	Chemistry Senior Project	
CHEM 5860	Chemistry Senior Research	

Elective: Choose at least 2 units from the following list: 2

CHEM 4200	Biochemistry II	
CHEM 5001	Topics in Chemistry	
CHEM 5001L	Topics in Chemistry Laboratory	
CHEM 5002	Topics in Chemistry	
CHEM 5300	Environmental Chemistry	
CHEM 5320	Atmospheric Chemistry	
CHEM 5400	Chemistry of the Elements	
CHEM 5420	Pyrotechnics	
CHEM 5500	Medicinal Chemistry	
CHEM 5550	Computational Chemistry	
CHEM 5751	Internship in Chemistry	
CHEM 5752	Internship in Chemistry	
CHEM 5753	Internship in Chemistry	
CHEM 5901	Directed Laboratory Research	
CHEM 5902	Directed Laboratory Research	
CHEM 5903	Directed Laboratory Research	
CHEM 5951	Independent Study	
CHEM 5952	Independent Study	
CHEM 5953	Independent Study	

Additionally either CHEM 5100 or 5150 may be taken to meet this requirement provided that this course was not taken to satisfy an above requirement.

Total Units 24-25

Biochemistry Concentration (25 units)

BIOL 2020	Principles of Biology II	5
Choose one upper-division biology course from the following:		4
BIOL 3100	Cell Biology	
BIOL 3120	Molecular Biology	
BIOL 3200	Microbiology	
BIOL 3300	Genetics	
CHEM 4200	Biochemistry II	3
CHEM 4200L	Biochemistry II Laboratory	1
CHEM 4350	Bioinorganic Chemistry	3
CHEM 4600	Physical Chemistry for Biochemists I	3
CHEM 4700	Physical Chemistry for Biochemists II	3
CHEM 4750	Physical Chemistry for Biochemists Laboratory	1
CHEM 5700	Biochemistry III Laboratory	2
Total Units		25

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Bachelor of Science in Computer Engineering

Students in this degree program do not need to take courses in the General Education categories A3 Critical Thinking, D Social Sciences Discipline Perspectives, and B Upper Division Scientific Inquiry.

Requirements (92 units)

Total units required for graduation: 120

Requirements for the B.S. in Computer Engineering

(Program Code: COEN)

Lower-division requirements (39)

CSE 2010	Computer Science I	4
CSE 2020	Computer Science II	4
MATH 2720	Discrete Mathematics	3
CSE 2130	Machine Organization	3
MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2265	Statistics with Applications	3
MATH 2310	Applied Linear Algebra	4
PHYS 2500	General Physics I	4
PHYS 2500L	General Physics I Lab	1
PHYS 2510	General Physics II	4
PHYS 2510L	General Physics II Lab	1

Upper-division requirements (44)

CSE 3100	Digital Logic	4
CSE 3350	Signals and Systems	3
CSE 4010	Contemporary Computer Architecture	4
CSE 4030	Analog Circuit Design and Analysis	4
CSE 4100	Computer Networking and Security	3
or CSE 5300	Data Communications	
CSE 4560	Embedded Systems	4
CSE 4600	Operating Systems	3
CSE 5208	Introduction to Computer Engineering Design	4
CSE 5210	Digital System Design	4
CSE 5350	Numerical Computation	3
or CSE 4310	Algorithm Analysis	
CSE 5408	Sustainable Engineering Design	4
CSE 5410	Robotics and Control	4

Electives (9)

Nine units chosen from CSE 4000-level and above courses and not previously taken.	9
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Total Units	92
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Bachelor of Science in Computer Science

Students in this degree program do not need to take courses in the General Education category A3 (Critical Thinking).

Requirements (89)

Total units required for graduation: 125

Requirements for the B.S. in Computer Science

(Program Code: CSC1)

Lower-division requirements (39)

CSE 2010	Computer Science I	4
CSE 2020	Computer Science II	4
MATH 2071	Course MATH 2071 Not Found	3
CSE 2130	Machine Organization	3
MATH 2210	Calculus I	4
MATH #	Calculus II	4
MATH #	Applied Statistics	3
MATH #	Applied Linear Algebra	4
PHYS 2500	General Physics I	4
PHYS 2500L	General Physics I Lab	1
PHYS #	General Physics II	4
PHYS #	General Physics II Lab	1

Upper-division requirements (50)

CSE 3100	Digital Logic	4
CSE 4010	Contemporary Computer Architecture	4
CSE 4310	Algorithm Analysis	3
CSE 4500	Platform Computing	3
CSE 4550	Software Engineering	3
CSE 4600	Operating Systems	3
CSE 4880	Ethics Senior Seminar	3

Ethics Senior Seminar will count towards the GE Writing Intensive Requirement.

CSE 5000	Introduction to Formal Languages and Automata Theory	3
CSE 5120	Introduction to Artificial Intelligence	3
or CSE 5140	Computational Intelligence	
or CSE 5160	Machine Learning	
CSE 5250	Parallel Algorithms and Programming	3
CSE 5700	Compilers	3
CSE 5720	Database Systems	3

Twelve units chosen from CSE 4000-level and above courses and not previously taken.

Total Units	89
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Bachelor of Science in Environmental Health Science

Pending CO approval

The Environmental Health Science Program is the appropriate choice for students who want to become health inspectors (i.e., registered environmental health specialists, REHS), industrial hygienists, hazardous waste control experts, air pollution control specialists, or vector control specialists. For those who plan on becoming registered environmental health specialists (REHS), this program is approved by the Environmental Health Specialist Registration Committee of the California Department of Public Health. Students who are certified by the Environmental Health Coordinator will have met the academic and experience requirements for admittance to the California Environmental Health Specialist Registration Examination. The program is also accredited by the National Environmental Health Science and Protection Accreditation Council, making its graduates eligible for job opportunities as environmental health officers in the Commissioned Corps of the U.S. Public Service.

Requirements (81 units)

Total units required for graduation: 120

Requirements for the B.S. in Environmental Health Science

Lower-division requirements (39)

Completion of the lower-division requirements results in satisfaction of the B1, B2, B3 and B4 general education requirements (10 units).

HSCI 1200	Health and Society: An Ecological and Societal Approach	3
HSCI 1200L	Health and Society: An Ecological and Societal Approach Lab	1
CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1
CHEM 2060	Survey of Organic and Biochemistry	4
CHEM 2060L	Survey of Organic and Biochemistry Lab	1
PHYS 2000	Introduction to Physics I	4
PHYS 2000L	Introduction to Physics I Lab	1
PHYS 2010	Introduction to Physics II	4
PHYS 2010L	Introduction to Physics II Lab	1
MATH 1601	Modeling with Calculus	3
HSCI 2203	Introduction to Statistics in Health Sciences	3
BIOL 2200	Microbiology for Allied Health Majors	4

One year sequence of Biology courses (8)

Choose a minimum of 8 units from Group A or Group B: 8

Group A

BIOL 1000 & 1000L	Introduction to Biology and Introduction to Biology Lab	
BIOL 2230	Human Anatomy and Physiology I for Allied Health Majors	

Group B

BIOL 2010	Principles of Biology I	
BIOL 2020	Principles of Biology II	
Upper-division requirements (28)		
HSCI 3052	Principles of Environmental Health	3
HSCI 3580	Principles of Toxicology	3
HSCI 4202	Epidemiology	3
HSCI 4501	Advanced Environmental Health	4
HSCI 4502	Principles of Occupational Health	4
HSCI 4503	Vector-borne Disease Control	4
HSCI 4578	Environmental Health Management	3
HSCI 5754	Internship in Environmental Health	4
Environmental Health Electives (6)		
Six units chosen from the following (or others as approved by the program faculty advisor) 6		
HSCI 3522	Air Pollution and Radiological Health	
HSCI 3556	Housing, Institutions, and Land Use	
HSCI 3558	Water Quality and Pollution Control	
HSCI 3581	Occupational Safety	
HSCI 4577	Environmental Health Engineering	
HSCI 5530	Food-Borne Illnesses and Their Prevention	
HSCI 5557	Solid and Hazardous Waste Management	
HSCI 5531	Bioterrorism and Emergency Response	
HSCI 5558	Management of Water Quality	

Total Units 81

Bachelor of Science in Geology

The B.S. in Geology, General Geology Concentration is recommended for students planning to continue to graduate school or to other careers in the geosciences. This Concentration has more flexibility to allow the student to tailor electives to pursue a particular interest.

The B.S. in Geology, Environmental Geology Concentration is recommended for students planning to become professional geologists in the environmental, geotechnical, government service, petroleum, or mining areas, and to prepare for Professional Licensure.

Geology majors must earn a grade of "C-" (1.7) or better in all required geology courses for those courses to satisfy the degree requirements for a B.S. degree in Geology. Students may not earn credit for both concentrations.

Requirements (72-79 units)

Total units required for graduation: 120

Requirements for the B.S. in Geology

Lower-division requirements (26-27)

CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1

Choose one of the following (fulfills GE category B4): 3-4

MATH 1601 Modeling with Calculus (If MATH 1401 or equivalent is not taken in preparation for MATH 1601, students must also take the 1-unit course MATH 1###: A Short Course in Trigonometry.)

MATH 2210 Calculus I

Choose one of the following: 4

PHYS 2000 Introduction to Physics I

PHYS 2500 General Physics I

Choose one of the following: 1

PHYS 2000L Introduction to Physics I Lab

PHYS 2500L General Physics I Lab

Choose one of the following (fulfills GE category B1): 3

GEOL 1000 Introductory Geology

GEOL 1020 Plate Tectonics: Key to Understanding Earthquakes, Volcanoes and Tsunami

GEOL 1060 Environmental Geology and Geological Hazards

Choose one of the following (Laboratory Activity associated with GE B1): 1

GEOL 1000L Introductory Geology Laboratory

GEOL 1060L Environmental Geology and Geological Hazards Laboratory

GEOL 2000 Interpreting Earth Systems History: Stories from an Ancient Planet 4

Upper-division requirements (37)

GEOL 3100 Introduction to Geologic Mapping 3

GEOL 3200 Mineralogy 5

GEOL 3220	Introduction to Geochemistry	4
GEOL 3240	Igneous and Metamorphic Petrology	4
GEOL 3300	Sedimentary Geology: Principles and Applications	4
GEOL 3600	Structural Geology	4

Choose six units from the following: 6

GEOL 3902 Advanced Field Geology

GEOL 3903 Advanced Field Geology

GEOL 3904 Advanced Field Geology

GEOL 3906 Advanced Field Geology

GEOL 5280 Digital Mapping and GIS for Scientists

GEOL 3990 Geological Research Design 3

GEOL 4000 Undergraduate Geological Research 2

GEOL 4900 Senior Seminar 2

Concentration (9-15)

Students must satisfy the requirements of one of the concentrations 9-15 listed below:

Total Units 72-79

Concentrations (9-15 Units)

General Geology Concentration (9 units)

(Program Code: GEOL)

A minimum of 9 units chosen from the following list after consultation with a faculty advisor. No more than 3 units may be taken from supervision courses. At least 3 units of elective must be from Geology courses.

Any 3100-level or above Geology course, not previously used for the degree

GEOL 2500 Geology of California

GEOG 2250 Introduction to Geographic Information Systems and Cartography

GEOG 3730 Geo-Spatial Analysis

GEOG 4400 Geomorphology

GEOG 4870 Environmental GIS

Up to 6 units of 2000-level or above Math, Biology, Chemistry or Physics courses, not previously used for the degree.

Total Units 9

Environmental Geology Concentration (13-15 units)

(Program Code: ENVG)

GEOL 3700 Groundwater Hydrology 3

GEOL 4100 Engineering Geology 4

Choose a minimum of two courses, one from Group A, and one from either Group A or Group B: 6-8

Group A:

GEOL 2500 Geology of California

GEOG 4400 Geomorphology

GEOL 5600 Earth Resources

Group B:

GEOG 2250 Introduction to Geographic Information Systems and Cartography

GEOL 3750 Field Methods in Hydrology

GEOL 5220	Neotectonics and Seismic Hazard Analysis
GEOL 5400	Environmental Hydrology
GEOL 5620	Site Investigation, Siting, and Case Histories in Engineering Geology

Total Units 13-15

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Bachelor of Science in Health Services Administration

Pending CO approval

The B.S. Degree in Health Services Administration is designed to prepare a diverse-student body for management roles in public, not-for-profit, and private health care settings, to enhance the quality and innovation in the delivery of health care services for all individuals.

Graduates from this program gain relevant work-related experiences and are: 1) trained in health care management competencies including marketing, finance, human resources, and other related functions, with a working knowledge of operations, information systems, statistical analysis, and quality improvement, and 2) prepared to enter the profession or a graduate program. This program aligns with certification standards of the Association of University Programs in Health Administration (AUPHA).

Note: For graduation, students must complete all upper-division courses required for the major with a grade of "C" (2.0) or better.

Completion of the requirements for the degree will also meet the following GE categories: B1 and laboratory activity.

Program Requirements (68 units)

Total units required for graduation: 120 units

Requirements for the B.S. in Health Services Administration

(Program code)

Lower-division (16)

ACCT 2110	Introductory Accounting I	3
ECON 2201	Principles of Microeconomics	3
HSCI 1200	Health and Society: An Ecological and Societal Approach	3
HSCI 1200L	Health and Society: An Ecological and Societal Approach Lab	1
HSCI 2202	Software Applications in the Health Sciences	3
HSCI 2203	Introduction to Statistics in Health Sciences	3

Upper-division (43)

HSCI 3040	Introduction to Health Services Administration	3
HSCI 3060	Medical Care Organizations	3
HSCI 3080	Operations Management	3
HSCI 3205	Biostatistics for Health Science	3
HSCI 4036	Human Resource Management in Health Care	3
HSCI 4037	Information Systems & Financial Management in Health Care	3
HSCI 4055	Health Policy, Law, and Ethics	3
HSCI 4060	Strategic Planning and Marketing in the Health Care System	3
HSCI 4068	Research Methodology in Health Science	3
HSCI 4080	Leadership in Health Services Administration	3
HSCI 4093	Field Experience Preparation	1

HSCI 4095	Field Experience in Health Services Administration	3
HSCI 4202	Epidemiology	3
HSCI 4210	Cultural Competency	3
MGMT 3020	Organizational Behavior	3
Electives (9)		
Nine units chosen from:		9
ECON 3314	Public Economics	
HSCI 3052	Principles of Environmental Health	
HSCI 3067	Human Disease Mechanisms and Pathophysiology	
HSCI 3203	Global Health	
HSCI 3207	Social Determinants of Health	
HSCI 3556	Housing, Institutions, and Land Use	
HSCI 4023	Health and Wellness of Older Adults	
HSCI 4052	Special Topics in Health Services Administration	
HSCI 4200	Health Administration	
HSCI 5010	Hospital Administration	
HSCI 5013	Managed Care Systems	
HSCI 5951	Independent Study	
HSCI 5952	Independent Study	
HSCI 5953	Independent Study	
Total Units		68

Bachelor of Science in Information Systems and Technology

Requirements (67.5 units)

Total units required for graduation (120)

Requirements for the B.S. in Information Systems and Technology

Lower-division requirements (25.5)

ADMN 2100	Applied Business Statistics	3
IST 1110	Introduction to Information Technology	1.5
IST 2210	Computer Networks and Security	3
IST 2310	Applications Development	3
IST 2410	Database Management for Business	3
IST 2510	Big Data Analytics	3
IST 2610	Cybersecurity	3
MGMT 2300	Legal Environment of Organizations	3
MATH 1301	Modeling with Functions * Satisfies GE category B4	3

Upper-division requirements (25.5)

IST 3110	Management of Information Technology	3
IST 3420	Systems Analysis and Design	3
IST 4210	Advanced Computer Networks	3
IST 4310	Web Technologies	3
IST 4910	Enterprise System Administration	3
IST 5150	Project Management	3
MGMT 3500	Applied Communication	3
Four and half units taken in any JHBC 1000-5000 level courses		4.5

Concentration (18)

Requirements for one of the following concentrations must be satisfied:

Total Units	69
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Concentrations (18 units)

Students must earn a grade of "C" (2.0) or better in all concentration courses required to fulfill a B.S. in Information Systems and Technology

Business Intelligence and Analytics Concentration (18 units)

IST 3500	Problem Solving and Decision Making	3
IST 4510	Advanced Data Analytics	3
IST 4520	Data Mining	3
Nine units chosen from the following courses:		9
IST 3050	Enterprise Resource Planning	
IST 4320	Advanced Applications Development	
IST 4410	Advanced Database Management and Information Assurance	
IST 5050	Advanced Enterprise Resource Planning	
IST 5250	Incident Handling and Cyber Investigation	

SCM 3040	Principles of Supply Chain Management	
GEOG 5303	Advanced Topics in GIS and Spatial Techniques	
ADMN 5753	Internship	
ADMN 5755	Internship	
IST 5915	Seminar in Information Systems and Technology	
IST 5930	Seminar in Information Systems and Technology	
IST 5951	Independent Study	
IST 5952	Independent Study	
IST 5953	Independent Study	
IST 5955	Independent Study	

Total Units 18

Cyber Security Concentration (18 units)

IST 4610	Cybersecurity Management	3
IST 4620	Penetration Testing and Ethical Hacking	3
IST 5250	Incident Handling and Cyber Investigation	3
IST 5930	Seminar in Information Systems and Technology	3
Six units chosen from the following courses:		6
IST 4120	Information Systems Planning and Policy	
IST 4320	Advanced Applications Development	
IST 4410	Advanced Database Management and Information Assurance	
IST 4510	Advanced Data Analytics	
IST 4520	Data Mining	
ADMN 5753	Internship	
ADMN 5755	Internship	
IST 5915	Seminar in Information Systems and Technology	
IST 5930	Seminar in Information Systems and Technology	
IST 5951	Independent Study	
IST 5952	Independent Study	
IST 5953	Independent Study	
IST 5955	Independent Study	

Total Units 18

National Security Concentration (18 units)

IST 4610	Cybersecurity Management	3
IST 4620	Penetration Testing and Ethical Hacking	3
IST 5250	Incident Handling and Cyber Investigation	3
PSCI 3250	American Foreign Policy	3
PSCI 4840	National Security Policy	3
PSCI 5900	Seminar in International Relations	3

Total Units 18

Bachelor of Science in Intelligence and Crime Analysis

Upon successful completion of pre-major requirements, student's major will be changed automatically from "Pre-ICA" to "ICA" status. Following formal entrance to the major, students must select a concentration:

A) Geographic Information Systems; B) Cyber Security; C) Homeland Security. Then, students may proceed with upper-division courses.

Requirements to enter the B.S. in Intelligence and Crime Analysis

Complete General Education Categories A1, A2, A3 and B4 prior to taking the Pre-ICA requirements. Students in this degree program do not need to take a course in General Education category D Social Sciences Discipline Perspectives.

Pre-ICA Requirements

As prerequisite for acceptance into the B.S. in Intelligence and Crime Analysis, students must complete the following as a "Pre-ICA major."

CJUS 1101	Introduction to the Criminal Justice System	3
CJUS 1106	Criminal Investigations	3
CJUS 3350	Intelligence & Crime Analysis 1	3
CJUS 3470	Crime Prevention	3
IST 1110	Introduction to Information Technology	1.5
Total Units		13.5

The grade earned in each of the above courses must be no lower than a "C+" (2.3). The pre-major GPA must be no lower than a 2.3.

A student may enroll in a required course three times. If a student does not successfully complete the course after three enrollments, the student must change majors if the course is a required course. Students may appeal to the department academic standards committee.

The ICA B.S. is offered through the Criminal Justice Department. Criminal Justice is an impacted department with GPA entry requirements. The Criminal Justice Department will determine entry standards annually based on enrollments.

Requirements (78 units)

Total units required for graduation: 120

Requirements for the B.S. in Intelligence and Crime Analysis

Program Code (?)

Completion of all Pre ICA Requirements 15

Upper Division Requirements (39)

Note: If possible, students are encouraged to complete 6 units of CJUS 5753. Six (6) units of internship, totaling 400 hours of practical work experience are required if students desire to obtain professional California Department of Justice, Crime Analysis certification in addition to the B.S.

CJUS 3311	Research Methods in Criminal Justice	3
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CJUS 3312	Statistics in Criminal Justice	3
CJUS 3320	Theories of Crime and Delinquency	3
CJUS 5550	Intelligence & Crime Analysis 2	4
CJUS 5560	Crime Pattern Detection	4
CJUS 5570	Crime in Public Spaces	3
CJUS 5571	Social Network Analysis	4
SSCI 3060	Expository Writing for the Social Sciences	3
Six (6) units chosen from:		6

CJUS 5753 Internship in Criminal Justice

CJUS 5951 Independent Study

CJUS 5952 Independent Study

CJUS 5953 Independent Study

Note: Students opting for California Department of Justice Crime Analysis Certificate must complete six (6) units of CJUS 5753, for a total of 400 hours of internship activity.

Six (6) Elective Units, chosen from: 6

CJUS 3304 Criminal Procedure

CJUS 3340 Police and Police Systems

CJUS 4452 White Collar Crime

CJUS 4453 Gangs

CJUS 4455 Forensic Profiling

CJUS 4460 Drugs and the Criminal Justice System

CJUS 5506 Wildlife Crime

CJUS 5508 Preventing Crime in Transportation Systems

CJUS 5554 Terrorism

CJUS 5555 Homeland Security

CJUS 5556 Transnational Organized Crime

CJUS 5901 Topics in Criminal Justice

CJUS 5902 Topics in Criminal Justice

CJUS 5903 Topics in Criminal Justice

CJUS 5597 Senior Honors Project

Note: If not already used as a major requirement, the internship (CJUS 5753, GEOG 5753 or IST 5753) or independent study (CJUS 5951, GEOG 5951 or IST 5951) could be used as electives.

Note: Students may take additional elective CJUS courses if needed to reach 120 units to graduate.

Concentration (24)

Students must complete one of the concentrations listed below: 24

Total Units 78

Concentrations (24 units)

Select one (1) concentration and complete all the required and elective courses.

Geographic Information Systems (24 units)

Note: Concentrations may have additional requirements if you desire to obtain professional certificates. Consult the relevant department.

GEOG 2250 Introduction to Geographic Information Systems and Cartography 4

GEOG 3710 Advanced Geographic Information Systems 4

GEOG 3730 Geo-Spatial Analysis 3

GEOG 4880 Remote Sensing of the Environment 4

Minimum of 9 units chosen from: 9

GEOG 4850	Web GIS	
GEOG 4860	GIS and Socio-Economic Applications	
GEOG 4870	Environmental GIS	
GEOG 5753	Internship in Geography	
GEOG 5951	Independent Study	
Total Units		24

Cyber Security (24 units)

IST 2210	Computer Networks and Security	3
IST 2310	Applications Development	3
IST 2610	Cybersecurity	3
IST 3110	Management of Information Technology	3
IST 4620	Penetration Testing and Ethical Hacking	3
IST 5250	Incident Handling and Cyber Investigation	3
Two (2) chosen from:		6
IST 2110	Information Technology	
IST 2410	Database Management for Business	
IST 4210	Advanced Computer Networks	
IST 4320	Advanced Applications Development	
IST 4410	Advanced Database Management and Information Assurance	
IST 4610	Cybersecurity Management	
IST 5755	Internship	
IST 5953	Independent Study	
Total Units		24

Note: Students may take additional elective IST courses in the concentration if needed to reach 120 units to graduate.

Note: Students transferring from community colleges may substitute a maximum of six (6) lower-division units selected from computer science courses for the Cyber Security concentration.

Homeland Security (24 units)

CJUS 3340	Police and Police Systems	3
CJUS 5508	Preventing Crime in Transportation Systems	3
CJUS 5554	Terrorism	3
CJUS 5555	Homeland Security	3
CJUS 5556	Transnational Organized Crime	3
Three (3) courses chosen from:		9
PSCI 2040	International Relations	
PSCI 3010	African Politics	
PSCI 3040	East European Political Systems	
PSCI 3050	East Asian Politics	
PSCI 3060	Latin American Politics	
PSCI 3080	Government and Politics of the Middle East	
PSCI 4000	International Politics	
PSCI 4840	National Security Policy	
PSCI 5400	Seminar in Comparative Politics	
PSCI 5200	War and Politics	
ACCT 2110	Introductory Accounting I	
ACCT 2120	Introductory Accounting II	
HIST 3590	United States History, Cold War Era	
HIST 5560	Foreign Relations of the United States	

HIST 5650	Immigration and Ethnic American History	
IST 2610	Cybersecurity	
Total Units		24

Note: Students may take additional PSCI, ACCT, or HIST courses in the concentration if needed to 120 units to graduate.

Note: Students transferring from community colleges may substitute a maximum of six (6) lower-division units selected from administration of justice courses, political science or accounting courses towards the Homeland Security concentration.

9/2019

Bachelor of Science in Kinesiology - Allied Health Professions Concentration

The Kinesiology Department has 3 concentrations. Allied Health Professions (AHP), Exercise Science (ES), and Physical Education and Adapted Physical Education (PEAPE).

Allied Health Professions (AHP):

The concentration in Allied Health Professions (AHP) is for people interested in eventual graduate education in allied health professions (e.g., physical therapy, occupational therapy, physician's assistant, medical or dental school) after graduation from CSUSB. CSUSB Kinesiology AHP students will engage in a rigorous course of study in Kinesiology, Biology, Chemistry, and Physics. This concentration offers undergraduate students essential pre-requisite courses for eventual graduate study in a preferred AHP. Students are strongly encouraged to review admission requirements at accredited universities to which they may apply for specific allied health professional graduate programs. Twelve units in the AHP concentration meet the requirements for GE and major. Note: AHP concentration is the only Kinesiology concentration that is impacted at this time.

Minimum Admission Requirements for First Year Students

Listed below are requirements for high school applicants interested in the AHP program.

GPA	ACT Score	SAT Score
3.45	18	800
3.10	22	1100
2.95	27	1220
2.75	29	1290

Minimum Admission Requirements for Transfer Students:

- 3.20 cumulative GPA required;
- Complete the following:

MATH 1601	Modeling with Calculus	3
	or MATH 2210 Calculus I	
BIOL 2230	Human Anatomy and Physiology I for Allied Health Majors	4
BIOL 2240	Human Anatomy and Physiology II for Allied Health Majors	4
A minimum of one (1) science series chosen from Group A, B or C		
Group A:		
CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1
Group B:		

PHYS 2000	Introduction to Physics I	4
PHYS 2000L	Introduction to Physics I Lab	1
PHYS 2010	Introduction to Physics II	4
PHYS 2010L	Introduction to Physics II Lab	1
Group C:		
PHYS 2500	General Physics I	4
PHYS 2500L	General Physics I Lab	1
PHYS 2510	General Physics II	4
PHYS 2510L	General Physics II	1

The grade earned in each of the above courses must be no lower than a "C" (2.0).

Department Regulations: Students in the Allied Health Professions Concentration must maintain a 3.20 GPA once admitted to the program due to impaction requirements.

Exercise Science (ES):

The Exercise Science (ES) concentration is for people interested in a variety of health/fitness-related fields including but not limited to: personal trainer, cardiac rehab, athletic training, wellness, strength and conditioning specialist, sport psychologist, etc. This concentration prepares undergraduate students to work in a variety of health/fitness related fields.

Physical Education and Adapted Physical Education (PEAPE):

The Physical Education and Adapted Physical Education (PEAPE) concentration is for people interested in becoming physical education teachers and/or adapted physical education teachers. The concentration prepares undergraduate students to go into the teacher education credential program. Formerly known as Pedagogy concentration. The two units from the KINE core count toward the PEAPE concentration. Students in the PEAPE concentration are eligible to obtain the added authorization (<http://bulletin.csusb.edu/colleges-schools-departments/education/teacher-education-foundations/adapted-physical-education-added-authorization/>) for Adapted Physical Education during the credential program through the college of education.

Students should consult an adviser for supporting course work offered for all concentrations in the Kinesiology major.

Requirements (69-78)

Total units required for graduation (120)

Requirements for the B.S. in Kinesiology

Lower-division requirements (19)

BIOL 2230	Human Anatomy and Physiology I for Allied Health Majors	4
BIOL 2240	Human Anatomy and Physiology II for Allied Health Majors *Counts toward GE B2	4
MATH GE Category B4	*Counts toward GE B4	3

It is strongly suggested for ES and PEAPE concentration students to take MATH 1301. AHP concentration students must take MATH 1601 or MATH 2210.

Complete a minimum of 2 units from the following courses: 2

PEAPE concentration students must take KINE 2610 to meet this requirement

KINE 1010A	Individual and Dual Activities: Badminton	
KINE 1010E	Individual and Dual Activities: Tennis	
KINE 1140A	Physical Fitness and Conditioning Activities: Body Conditioning	
KINE 1140C	Physical Fitness and Conditioning Activities: Jogging	
KINE 1140D	Physical Fitness and Conditioning Activities: Weight Training	
KINE 1140E	Physical Fitness and Conditioning Activities: Yoga	
KINE 1200A	Somatic and Martial Arts Activities: Aikido	
KINE 1200E	Somatic and Martial Arts Activities: Karate	
KINE 1200F	Somatic and Martial Arts Activities: Self-Defense	
KINE 1200G	Somatic and Martial Arts Activities: Cardio-Arts	
KINE 1200I	Somatic and Martial Arts Activities: Pilates	
KINE 1210A	Team Activities: Basketball	
KINE 1210C	Team Activities: Soccer	
KINE 1210F	Team Activities: Volleyball	
KINE 1370A	Aquatic Activities: Swimming	
KINE 1370E	Aquatic Activities: Advanced Swimming for Fitness	
KINE 1490	Independent Activity Project	
KINE 1500A	Dance Activities: Aerobic	
KINE 1500B	Dance Activities: Low-Impact Aerobic	
KINE 1500C	Dance Activities: Step Aerobic	
KINE 1500D	Dance Activities: Ballet	
KINE 1500F	Dance Activities: Jazz	
KINE 1500J	Dance Activities: Sampler	
KINE 2610	Teaching/Coaching Principles for Dance	
KINE 2100	Orientation to Kinesiology	3
KINE 2700	Introduction to Fitness and Programming	3
Upper-division requirements (23)		
KINE 3100	Introduction to Adapted Physical Activity	3
KINE 3200	Principles of Human Movement	3
KINE 3400	Psychology and Sociology of Human Movement	3
KINE 3500	Motor Development Across the Lifespan	3
KINE 3700	Statistics in Kinesiology	3
KINE 3800	Exercise Physiology	4
KINE 4100	Motor Learning and Control	3
KINE 4200	Seminar in Kinesiology	1

Concentration (27-36)

Students must satisfy the requirements of one of the concentrations 27-36 listed below:

Total Units	69-78
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Bachelor of Science in Kinesiology

The Kinesiology Department has 3 concentrations. Allied Health Professions (AHP), Exercise Science (ES), and Physical Education and Adapted Physical Education (PEAPE).

Allied Health Professions (AHP):

The concentration in Allied Health Professions (AHP) is for people interested in eventual graduate education in allied health professions (e.g., physical therapy, occupational therapy, physician's assistant, medical or dental school) after graduation from CSUSB. CSUSB Kinesiology AHP students will engage in a rigorous course of study in Kinesiology, Biology, Chemistry, and Physics. This concentration offers undergraduate students essential pre-requisite courses for eventual graduate study in a preferred AHP. Students are strongly encouraged to review admission requirements at accredited universities to which they may apply for specific allied health professional graduate programs. Twelve units in the AHP concentration meet the requirements for GE and major. Note: AHP concentration is the only Kinesiology concentration that is impacted at this time.

Minimum Admission Requirements for First Year Students

Listed below are requirements for high school applicants interested in the AHP program.

GPA	ACT Score	SAT Score
3.45	18	800
3.10	22	1100
2.95	27	1220
2.75	29	1290

Minimum Admission Requirements for Transfer Students:

- 3.20 cumulative GPA required;
- Complete the following:

MATH 1601	Modeling with Calculus	3
	or MATH 2210 Calculus I	
BIOL 2230	Human Anatomy and Physiology I for Allied Health Majors	4
BIOL 2240	Human Anatomy and Physiology II for Allied Health Majors	4
A minimum of one (1) science series chosen from Group A, B or C		
Group A:		
CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1
Group B:		
PHYS 2000	Introduction to Physics I	4
PHYS 2000L	Introduction to Physics I Lab	1
PHYS 2010	Introduction to Physics II	4

PHYS 2010L	Introduction to Physics II Lab	1
Group C:		
PHYS 2500	General Physics I	4
PHYS 2500L	General Physics I Lab	1
PHYS 2510	General Physics II	4
PHYS 2510L	General Physics II	1

The grade earned in each of the above courses must be no lower than a "C" (2.0).

Department Regulations: Students in the Allied Health Professions Concentration must maintain a 3.20 GPA once admitted to the program due to impaction requirements.

Exercise Science (ES):

The Exercise Science (ES) concentration is for people interested in a variety of health/fitness-related fields including but not limited to: personal trainer, cardiac rehab, athletic training, wellness, strength and conditioning specialist, sport psychologist, etc. This concentration prepares undergraduate students to work in a variety of health/fitness related fields.

Physical Education and Adapted Physical Education (PEAPE):

The Physical Education and Adapted Physical Education (PEAPE) concentration is for people interested in becoming physical education teachers and/or adapted physical education teachers. The concentration prepares undergraduate students to go into the teacher education credential program. Formerly known as Pedagogy concentration. The two units from the KINE core count toward the PEAPE concentration. Students in the PEAPE concentration are eligible to obtain the added authorization (<http://bulletin.csusb.edu/colleges-schools-departments/education/teacher-education-foundations/adapted-physical-education-added-authorization/>) for Adapted Physical Education during the credential program through the college of education.

Students should consult an adviser for supporting course work offered for all concentrations in the Kinesiology major.

Requirements (69-78)

Total units required for graduation (120)

Requirements for the B.S. in Kinesiology

Lower-division requirements (19)

BIOL 2230	Human Anatomy and Physiology I for Allied Health Majors	4
BIOL 2240	Human Anatomy and Physiology II for Allied Health Majors	4
	<small>*Counts toward GE B2</small>	
MATH GE Category B4	<small>*Counts toward GE B4</small>	3

It is strongly suggested for ES and PEAPE concentration students to take MATH 1301. AHP concentration students must take MATH 1601 or MATH 2210.

Complete a minimum of 2 units from the following courses: 2

PEAPE concentration students must take KINE 2610 to meet this requirement

KINE 1010A	Individual and Dual Activities: Badminton
KINE 1010E	Individual and Dual Activities: Tennis

KINE 1140A	Physical Fitness and Conditioning Activities: Body Conditioning	
KINE 1140C	Physical Fitness and Conditioning Activities: Jogging	
KINE 1140D	Physical Fitness and Conditioning Activities: Weight Training	
KINE 1140E	Physical Fitness and Conditioning Activities: Yoga	
KINE 1200A	Somatic and Martial Arts Activities: Aikido	
KINE 1200E	Somatic and Martial Arts Activities: Karate	
KINE 1200F	Somatic and Martial Arts Activities: Self-Defense	
KINE 1200G	Somatic and Martial Arts Activities: Cardio-Arts	
KINE 1200I	Somatic and Martial Arts Activities: Pilates	
KINE 1210A	Team Activities: Basketball	
KINE 1210C	Team Activities: Soccer	
KINE 1210F	Team Activities: Volleyball	
KINE 1370A	Aquatic Activities: Swimming	
KINE 1370E	Aquatic Activities: Advanced Swimming for Fitness	
KINE 1490	Independent Activity Project	
KINE 1500A	Dance Activities: Aerobic	
KINE 1500B	Dance Activities: Low-Impact Aerobic	
KINE 1500C	Dance Activities: Step Aerobic	
KINE 1500D	Dance Activities: Ballet	
KINE 1500F	Dance Activities: Jazz	
KINE 1500J	Dance Activities: Sampler	
KINE 2610	Teaching/Coaching Principles for Dance	
KINE 2100	Orientation to Kinesiology	3
KINE 2700	Introduction to Fitness and Programming	3
Upper-division requirements (23)		
KINE 3100	Introduction to Adapted Physical Activity	3
KINE 3200	Principles of Human Movement	3
KINE 3400	Psychology and Sociology of Human Movement	3
KINE 3500	Motor Development Across the Lifespan	3
KINE 3700	Statistics in Kinesiology	3
KINE 3800	Exercise Physiology	4
KINE 4100	Motor Learning and Control	3
KINE 4200	Seminar in Kinesiology	1
Concentration (27-36)		
Students must satisfy the requirements of one of the concentrations 27-36 listed below:		
Total Units		69-78

Concentrations (27-36 units)

Allied Health Professions Concentration (36 units)

(Program code AHP)

Required Courses: (33)

PSYC 1100	Introduction to Psychology D4	*Counts towards GE Category 3
PSYC 3390	Abnormal Psychology	3
MATH 1601	Modeling with Calculus	3
	or MATH 2210 Calculus I	

CHEM 2100	General Chemistry I	*3 units count towards GE Category B1	4
CHEM 2100L	General Chemistry I Laboratory		1
CHEM 2200	General Chemistry II		4
CHEM 2200L	General Chemistry II Laboratory		1
Physics- A minimum ten units (10) units to choose from:			10
PHYS 2000	Introduction to Physics I		
PHYS 2000L	Introduction to Physics I Lab		
PHYS 2010	Introduction to Physics II		
PHYS 2010L	Introduction to Physics II Lab		
OR			
PHYS 2500	General Physics I		
PHYS 2500L	General Physics I Lab		
PHYS 2510	General Physics II		
PHYS 2510L	General Physics II Lab		
KINE 4800	Biomechanics		4
Electives: Choose 3 units from the courses below (3)			3
BIOL 2010	Principles of Biology I		
BIOL 2020	Principles of Biology II		
BIOL 2200	Microbiology for Allied Health Majors		
BIOL 3300	Genetics		
CHEM 2400	Organic Chemistry I Lecture		
CHEM 2400L	Organic Chemistry I Laboratory		
CHEM 2500	Organic Chemistry II		
CHEM 2500L	Organic Chemistry II Laboratory		
PSYC 2201	Developmental Psychology		
KINE 2200	Medical Terminology		
KINE 2300	Prevention and Care of Athletic Injuries		
KINE 2500	Observational Field Experience in Exercise Science and Allied Health Professions		
KINE 3600	Physical Activity and Aging		
KINE 3810	Sport and Exercise Nutrition		
KINE 4500	Principles of Strength and Conditioning		
KINE 4400	Exercise Testing and Prescription		
KINE 4700	Clinical Exercise Physiology		
KINE 4600	EKG Interpretation and Stress Testing		
Total Units			36

Exercise Science (27 units)

(Program code ES)

Required Courses (17)

KINE 2300	Prevention and Care of Athletic Injuries	3
KINE 3600	Physical Activity and Aging	3
KINE 3810	Sport and Exercise Nutrition	3
KINE 4400	Exercise Testing and Prescription	4
KINE 4800	Biomechanics	4

Electives (10)

Choose 10 units from the following:			10
KINE 2200	Medical Terminology		
KINE 2500	Observational Field Experience in Exercise Science and Allied Health Professions		
KINE 3250	Exercise Techniques for Resistance Training		

KINE 3510	Exercise Science Research Seminar
KINE 3900	Health and Fitness Business Management
KINE 4300	Environmental Exercise Physiology
KINE 4500	Principles of Strength and Conditioning
KINE 4600	EKG Interpretation and Stress Testing
KINE 4700	Clinical Exercise Physiology

Total Units	27
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Physical Education and Adapted Physical Education (36 units)

(Program code PEAPE)

Required Courses: (36)

KINE 2540	Field Work in Physical Education and Adapted Physical Education	2
KINE 2611	Teaching/Coaching Principles for Gymnastics	2
KINE 2612	Teaching/Coaching Principles for Swimming	2
KINE 2620	Teaching/Coaching Principles for Combative/Fitness Activity	3
KINE 2630	Teaching/Coaching Principles for Individual/Dual Sport	3
KINE 2640	Teaching/Coaching Principles for Team Sports	3
KINE 2650	Teaching/Coaching Principles for Fundamental Movement, Nontraditional Games	3
KINE 3300	Movement Skill Assessment for Individuals with Disabilities	3
KINE 3320	The Nature and Issues Concerning Individuals with Disabilities	3
KINE 3330	Applied Behavior Management	3
KINE 4720	Program Design in Physical Education	3
KINE 4730	Instructional Strategies in Physical Education	3
KINE 4900	Seminar in Physical Education and Adapted Physical Education	3

Total Units	36
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Bachelor of Science in Mathematics

The Bachelor of Science in Mathematics program is designed for the student who, upon graduation, plans to pursue graduate studies in mathematics, begin a career in mathematics or closely related field, or pursue teaching. We offer three distinct concentrations. Students are encouraged to speak to a mathematics faculty advisor to select the appropriate concentration and elective courses that will best fit their career goals.

The General Mathematics Concentration provides a deep level of study in mathematics and includes advanced topics in real analysis and algebra, which are prerequisites for many graduate programs. This concentration requires a total of 64-67 units of coursework; of those, up to 13 units may be selected from courses that count towards the University's General Education requirements in categories A3, B1 or B2, B3, B4, and the requirement for an upper-division writing-intensive course.

The Applied Mathematics Concentration combines mathematics coursework with coursework options in actuarial science, biology, chemistry, computer science, economics, geography, and physics. This concentration requires a total of 67-74 units of coursework; of those, up to 16 units may be selected from courses that count towards the University's General Education requirements in categories A3, B1, B2, B3, B4, and the requirement for an upper-division writing-intensive course.

The Teaching Mathematics Concentration is recommended for prospective secondary mathematics teachers and includes courses designed to help build the specialized content knowledge necessary for successful teaching. The mathematics requirements of this concentration (including the core mathematics requirements for the B.S.) comprise a California Commission on Teacher Credentialing approved subject matter preparation program. Subject Matter Competence (SMC) for the Single Subject Teaching Credential may be demonstrated by completion of all lower and upper division mathematics requirements of the *Bachelor of Science in Mathematics - Teaching Concentration* with (1) a 2.7 GPA or higher, and (2) no grade lower than a C (2.0) in those courses. Students who meet this standard do not need to verify SMC through the CSET exam. Students who do NOT meet this standard may be required to take the CSET exams to verify SMC. Note that this demonstration of SMC is required for the Single Subject Teaching Credential, but is not a requirement of the B.S. degree. This concentration requires a total of 63-64 units of coursework; of those, up to 9 units count towards the University's General Education requirements in categories A3, B4, and the requirement for an upper-division writing-intensive course.

Requirements (63-74 units)

Total units required for graduation: 120

Requirements for the B.S. in Mathematics

Lower-division requirements (22-23)

MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2265	Statistics with Applications	3
MATH 2310	Applied Linear Algebra	4
MATH 2320	Multivariable Calculus	4
Select one of the following CSE courses:		3-4

CSE 1100	Critical Thinking Through Computer Programming
CSE 1250	Programming Basics
CSE 2010	Computer Science I

Upper-division requirements (15)

MATH 3100	Mathematical Thinking: Communication and Proof	4
MATH 3329	Euclidean Geometry with Transformations	3
MATH 4300	Real Analysis	4
MATH 4600	Theory of Rings and Fields	4

Note: Math 3100 satisfies the GE upper-division Writing Intensive (WI) requirement.

Concentration (26-36)

Students must complete one of the three concentrations listed below

Total Units	63-74
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Concentrations (26-36 Units)

General Mathematics Concentration (27-29 units)

Lower-division requirements (6-8)

MATH 2270	Differential Equations with Dynamical Systems I	3
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In addition to the lower-division CSE requirement, select one 2000-level course from the following: BIOL, CHEM, CSE, ECON, GEOG, PHIL, and PHYS, with the exception of ECON 2000, GEOG 2000, GEOG 2200, and GEOG 2201.

Upper-division requirements (6)

MATH 5300	Advanced Real Analysis	3
MATH 5600	Group Theory	3

Electives (15)

Five courses (15 units) selected from the following with at least one course from each of Group A, Group B, and Group C.

Group A:

MATH 3345	Number Theory
MATH 3372	Combinatorics
MATH 3770	Introduction to Graph Theory

Group B:

MATH 4270	Differential Equations with Dynamical Systems II
MATH 4455	Partial Differential Equations & Fourier Analysis

Group C:

MATH 4485	Differential Geometry
MATH 5170	Complex Analysis
MATH 5310	Advanced Linear Algebra
MATH 5529	Advanced Topics in Geometry
MATH 5550	Introduction to Topology

Group D:

MATH 3320	Mathematical Interest Theory
MATH 3460	Probability Theory
MATH 3480	Topics in History of Mathematics
MATH 4320	Introduction to Actuarial Modeling
MATH 4360	Linear Statistical Models
MATH 5510	Topics in Advanced Mathematics
MATH 5565	Mathematical Statistics
MATH 5953	Independent Study

PHIL 3560	Philosophy of Logic and Mathematics	
Total Units		27-29

Applied Mathematics Concentration (30-36 units)

Lower-division requirements (9-13)

MATH 2270	Differential Equations with Dynamical Systems I	3
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In addition to the lower-division CSE requirement, select two 2000-6-10 level courses totaling 6 units or more from the following: BIOL, CHEM, CSE, ECON, GEOG, PHIL, and PHYS with the exception of ECON 2000, GEOG 2000, GEOG 2200, and GEOG 2201.

Upper-division requirements (3)

MATH 5310	Advanced Linear Algebra	3
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Electives (18-20)

Six courses (18-20 units) selected from the following with four 18-20 courses from Group A and two courses from Group B. At least three elective courses must be chosen from the 4000-level or above.

Group A:

MATH 3320	Mathematical Interest Theory	
MATH 3372	Combinatorics	
MATH 3460	Probability Theory	
MATH 3770	Introduction to Graph Theory	
MATH 4270	Differential Equations with Dynamical Systems II	
MATH 4320	Introduction to Actuarial Modeling	
MATH 4360	Linear Statistical Models	
MATH 4455	Partial Differential Equations & Fourier Analysis	
MATH 5565	Mathematical Statistics	

One upper-division course from BIOL, CHEM, CSE, ECON, GEOG, or PHYS selected in consultation with an advisor

Group B:

MATH 3345	Number Theory	
MATH 3480	Topics in History of Mathematics	
MATH 4485	Differential Geometry	
MATH 5170	Complex Analysis	
MATH 5300	Advanced Real Analysis	
MATH 5510	Topics in Advanced Mathematics	
MATH 5529	Advanced Topics in Geometry	
MATH 5550	Introduction to Topology	
MATH 5600	Group Theory	
MATH 5953	Independent Study	

Total Units		30-36
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Teaching Mathematics Concentration (26 units)

Lower-division requirements (4)

MATH 2900	Problem Solving and Mathematical Reasoning for Teachers I	4
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Upper-division requirements (16)

MATH 3345	Number Theory	3
MATH 3460	Probability Theory	3
MATH 3480	Topics in History of Mathematics	3
MATH 4900	Problem Solving and Mathematical Reasoning for Teachers II	4

MATH 5900	Senior Seminar for Future Mathematics Educators	3
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Electives (6)

Two courses (6 units) selected from the following with at least one course from Group A. 6

Group A:

MATH 5170	Complex Analysis	
MATH 5300	Advanced Real Analysis	
MATH 5310	Advanced Linear Algebra	
MATH 5529	Advanced Topics in Geometry	
MATH 5550	Introduction to Topology	
MATH 5565	Mathematical Statistics	
MATH 5600	Group Theory	

Group B:

MATH 2270	Differential Equations with Dynamical Systems I	
MATH 3140	Introduction to Systems Modeling	
MATH 3320	Mathematical Interest Theory	
MATH 3372	Combinatorics	
MATH 3770	Introduction to Graph Theory	
MATH 4320	Introduction to Actuarial Modeling	
MATH 4360	Linear Statistical Models	
MATH 4485	Differential Geometry	
MATH 5510	Topics in Advanced Mathematics	
MATH 5953	Independent Study	

Total Units		26
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Bachelor of Science in Nursing - RN to BSN Bridge Program

The RN to BSN program is for students who are Registered Nurses who wish to earn a Bachelor of Science (B.S.) in Nursing OR for students who are participating in a collaborative program from an affiliated community college who wish to earn a B.S. in Nursing.

Admission Requirements:

Applicants must:

1. Document achievement of IGETC certification. Please note the prerequisite support courses listed below satisfy specific IGETC certification areas.
2. Designate the pathway of the RN to BSN program track to which admission is being requested (i.e., collaborative or post-associate-degree).
3. Meet the requirements of the desired pathway.
 - a. Collaborative pathway - current enrollment and good standing in an Associate of Science in Nursing degree program at a collaborating community college.
 - b. Post-associate-degree pathway - completion of an Associate of Science in Nursing degree and an active California RN license.
4. Earn a grade of C (2.0) or better in all required prerequisite courses.

Prerequisite Support Courses (29)

BIOL 2200	Microbiology for Allied Health Majors	4
BIOL 2230	Human Anatomy and Physiology I for Allied Health Majors	4
BIOL 2240	Human Anatomy and Physiology II for Allied Health Majors	4
CHEM 2070	Fundamentals of General, Organic, and Biochemistry	5
MATH 1201	Introduction to Statistical Thinking	3
	Course that fulfills the GE A1 Oral Communication requirement	3
	Course that fulfills the GE A2 Written Communication requirement	3
	Course that fulfills the GE A3 Critical Thinking requirement	3
Total Units		29

Requirements (30 units)

Total units required for graduation: 120

Requirements for the B.S. in Nursing RN to BSN Bridge

(Program Code: RNBS)

Admitted students must earn a grade of C (2.0) or better on all courses required for the major.

Admitted students may transfer in lower-division General Education courses, prerequisite support courses, and acceptable Associate Degree nursing courses, for a maximum of 70 semester units.

- 16 units of completed Associate of Science in Nursing coursework will be transferred in and applied to the major.

An additional 20 upper division academic units will be awarded to admitted students who are licensed Registered Nurses and have earned an Associate of Science in Nursing, for completed Nursing courses that were not included in the transferred units and for demonstrating nursing knowledge sufficient to pass the National Council of Licensure Exam for Registered Nurses (NCLEX-RN).

NURS 3010	Role Transition to Professional Nursing Practice	3
NURS 3026	Health Assessment RN	3
NURS 3100	Pathophysiology and Pharmacology	4
NURS 3610	Patient Education, Health Promotion and Care Coordination	3
NURS 4222	Nursing Research and Evidence-Based Practice	3
NURS 4510	Community/Public Health Promotion	3
NURS 4512	Community/Public Health Promotion Practicum	3
NURS 4610	Nursing Leadership	3
NURS 4612	Nursing Leadership Practicum	2
One GE course that meets the upper division GE-C requirement		3
Total Units		30

Note: Three required upper division nursing courses double-count toward upper division GE requirements for nursing majors ONLY. Those courses are NURS 3010 for the UD writing requirement, NURS 4222 for the UD Scientific Inquiry (Category B) requirement, and NURS 4510 for the UD Social Science (Category D) requirement.

After graduation, students are eligible to apply for a public health nurse certificate from the California Board of Registered Nursing.

Bachelor of Science in Nursing

Admission Requirements

Admission is selective. Meeting minimum prerequisites does not guarantee admission to the program.

1. Acceptance into CSUSB as a Pre-nursing student.
2. Completed pre-licensure BSN program application, submitted by applicable published deadline;
3. Completion of the ATI Test of Essential Academic Skills (TEAS) pre-admission examination, with a score of at least 70, by admission application deadline;
4. An overall cumulative grade point average (GPA) of 3.5 or better;
5. A GPA of 3.0 or better on completed required prerequisite courses (all prerequisite courses listed below);
6. A grade of C (2.0) or better in each prerequisite course;
7. Attendance at a CSUSB Nursing Information Session;
8. California Residency per requirements for admission to CSU Impacted Programs;

Additional consideration and preference is given to:

1. Residents of the CSUSB local area.
2. Applicants who are bilingual.

Department Regulations

1. Students in the Nursing major must earn grades of "C" or better in all nursing prerequisite courses, corequisite courses, and courses in the nursing major. If a grade less than C (2.0) is earned in any nursing major course, the student will be dismissed from the Nursing program. Dismissed students may request readmission after failure of a nursing course one time. If readmission is approved, the student may re-take the failed course and take all remaining nursing courses a maximum of one time on a space-available basis.
2. Students are responsible for all information and adherence to all policies in the Department of Nursing BSN Nursing Student Handbook including annual updates.

Requirements: 92 units

Total units required for graduation: 120

Requirements for a B.S. in Nursing

(Program Code: NRSB)

Prerequisite support courses required for admission (29)

BIOL 2200	Microbiology for Allied Health Majors	4
BIOL 2230	Human Anatomy and Physiology I for Allied Health Majors	4
BIOL 2240	Human Anatomy and Physiology II for Allied Health Majors	4
CHEM 2070	Fundamentals of General, Organic, and Biochemistry	5
MATH 1201	Introduction to Statistical Thinking	3
	Course that fulfills GE Category A1 Oral Communication	3

	Course that fulfills GE Category A2 Written Communication	3
	Course that fulfills GE Category A3 Critical Thinking	3
Support courses required which may be taken after admission to the nursing major (3)		
PSYC 2201	Developmental Psychology	3
Lower-division requirements (7)		
NURS 2602	Foundational Concepts in Professional Nursing	2
NURS 2821	Foundational Theory and Skills for Nursing Practice	5
Upper-division requirements (53)		
NURS 3016	Health Assessment	3
NURS 3080	Pathophysiologic Concepts for Nursing Practice	3
NURS 3082	Pharmacology and Therapeutics for Nursing Practice	3
NURS 3221	Nursing Care of Adults & Older Adults I	6
NURS 3633	Nursing Care of Children & Families	5
NURS 3635	Nursing Care of Women, Infants, & Families	5
NURS 3640	Introduction to Theories of Nursing & Health	3
NURS 4222	Nursing Research and Evidence-Based Practice	3
NURS 4415	Psychiatric & Mental Health Nursing Practice	5
NURS 4417	Community & Public Health Nursing Practice	5
NURS 4833	Nursing Care of Adults & Older Adults II	7
NURS 4840	Leadership & Management in Nursing	3
NURS 4920	Integration of Knowledge for Professional Nursing Practice	2
Total Units		92

Note: Two required upper division nursing courses also fulfill upper division GE requirements for nursing students ONLY. NURS 4222 fulfills the upper division Scientific Inquiry (GE-B) requirement. NURS 4417 fulfills the upper division Social Science (GE-D) requirement.

Bachelor of Science in Nutritional Science and Dietetics

Program Requirements (83 units)

Total units required for graduation: 120 units

Requirements for the B.S. in Nutritional Science and Dietetics

(Program Code: NTRD)

Note: For graduation, students must complete all upper-division courses required for the major with a grade of "C" (2.0) or better.

Completion of the requirements for the degree will also meet the following GE categories: B1; B2; laboratory activity; B4; and 3 lower division units from category D.

In order to receive the Verification Statement from the Didactic Program in Dietetics (DPD), graduates must have a minimum overall GPA of 2.8; and must receive a grade of B- (2.7) or higher in the 3000 and 4000-level DPD courses. This Verification Statement is required for dietetic internship or supervised-practice program to become a registered dietitian/nutritionist (RDN) as well as to take the Nutrition and Dietetic Technician Registration (NDTR) exam.

Lower-division requirements - includes 13 GE units (36)

Choose one of the following two courses:	3
PSYC 1100 Introduction to Psychology	
SOC 1000 Introduction to Sociology	
MATH 1201 Introduction to Statistical Thinking	3
BIOL 2200 Microbiology for Allied Health Majors	4
BIOL 2230 Human Anatomy and Physiology I for Allied Health Majors	4
BIOL 2240 Human Anatomy and Physiology II for Allied Health Majors	4
CHEM 2050 Survey of General Chemistry	3
CHEM 2050L Survey of General Chemistry Laboratory	1
CHEM 2060 Survey of Organic and Biochemistry	4
CHEM 2060L Survey of Organic and Biochemistry Lab	1
HSCI 1100 Problem Solving Skills for Health Science	1
HSCI 1200 Health and Society: An Ecological and Societal Approach	3
HSCI 1200L Health and Society: An Ecological and Societal Approach Lab	1
HSCI 2202 Software Applications in the Health Sciences	3
HSCI 2625 Nutrition and Dietetic Professional Career Pathways	1

Upper-division requirements (47)

HSCI 3601 Fundamentals of Human Nutrition	3
HSCI 3602 Lifecycle Nutrition and Assessment	3
HSCI 3605 Cultural Practices and Cuisines	4
HSCI 3605L Cultural Practices and Cuisines Lab	1

HSCI 3607 Nutrition Counseling, Assessment, and Research Applications	3
HSCI 3607L Nutrition Counseling, Assessment, and Research Applications Lab	1
HSCI 3615 Food Science and Production	3
HSCI 3615L Food Science and Production Lab	1
HSCI 4621 Foodservice Principles and Practice	3
HSCI 4621L Foodservice Principles and Practice Lab	1
HSCI 4622 Foodservice Management	3
HSCI 4625 Dietetic Pathways and Processes	1
HSCI 4661 Human Metabolism and Nutritional Biochemistry	3
HSCI 4662 Advanced Nutrition and Topics	3
HSCI 4680 Public Health Nutrition in Dietetics	3
HSCI 4681 Medical Nutrition Therapy I	3
HSCI 4681L Medical Nutrition Therapy I Lab	1
HSCI 4682 Medical Nutrition Therapy II	3
HSCI 4682L Medical Nutrition Therapy II Lab	1
HSCI 4690 Senior Capstone Project ^{WI}	3
Total Units	83

Bachelor of Science in Physics

The bachelor of science program includes appropriate course work in physics to prepare students for employment or graduate work in a variety of physics-related fields. Students are encouraged to speak to their advisor to select elective courses that will best meet their career needs. The BS in Physics requires a total of 76 units listed below; of those 7 units count towards the university's General Education requirements. In addition to the General Education and the BA Physics requirements, students will need to complete 2 additional units in order to satisfy the 120 units required for graduation.

Departmental Honors

To be awarded departmental honors in physics a student must:

1. Achieve at least a 3.5 minimum grade point average in courses required for the major taken at California State University, San Bernardino and at least a 3.0 grade point average overall;
2. Conduct advanced research on a topic approved by a faculty member who will serve as project director;
3. Obtain written approval upon successful completion of the project from the project director and the chair, and present the results of the research to the department or at a research conference, and/or publish the results in a peer-reviewed scientific journal.

Requirements (76 units)

Total units required for graduation: 120

Requirements for the B.S. in Physics

(Program Code: PHYS)

Lower-division requirements (38)

CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2310	Applied Linear Algebra	4
MATH 2320	Multivariable Calculus	4
PHYS 1500	Tools for Physicists	3
PHYS 2500	General Physics I	4
PHYS 2500L	General Physics I Lab	1
PHYS 2510	General Physics II	4
PHYS 2510L	General Physics II Lab	1
PHYS 2600L	Introduction to Electronics	1
PHYS 2700	Modern Physics	3

Upper-division requirements (38)

PHYS 3100	Mathematical Methods of Physics	4
PHYS 3200	Classical Mechanics	4
PHYS 3300	Computational Physics	3
PHYS 3400	Electricity & Magnetism	3
PHYS 3500	Statistical and Thermal Physics	4
PHYS 3800	Intermediate Physics Laboratory	2
PHYS 4400	Electricity & Magnetism II	3

PHYS 4700	Quantum Mechanics	4
PHYS 4800	Senior Thesis	2
Can substitute ASTR 4000 for PHYS 4800; both count towards the GE WI requirement		
Nine or more units chosen from upper-division physics courses selected with the approval of the department:		9
PHYS 3600	Data Acquisition and Control	
PHYS 4600	Electronics	
PHYS 4851-4853	Special Topics in Physics	
PHYS 4851L-4852L	Special Topics in Physics Laboratory	
PHYS 5100	Mathematical Methods of Physics II	
PHYS 5400	Optics	
PHYS 5500	Solid State Physics	
PHYS 5700	Quantum Mechanics II	
PHYS 5751-5753	Internship (max 3 units)	
PHYS 5851-5853	Special Topics in Physics	
PHYS 5851L-5852L	Special Topics in Physics Laboratory	
PHYS 5951-5953	Independent Study (max 3 unit)	
ASTR 3300	Astrophysics of Planetary Systems	
ASTR 3310	Astrophysics of Galaxies and Cosmology	
Total Units		76

Bachelor of Science in Public Health

Pending CO approval

The Bachelor of Science in Public Health program prepares students for professional positions in public health agencies, community-based organizations, health care, tribal health, and international organizations. The curriculum is competency based in compliance with standards set by the Council on Education for Public Health and by the National Commission for Health Education Credentialing. Graduates of the program will be eligible to take the Certified Health Education Specialist (CHES) national examination administered by the National Commission for Health Education Credentialing.

Requirements (68 units)

Total units required for graduation: 120

Requirements for the B.S. in Public Health

Lower-division requirements - includes 4 GE units: (14)

HSCI 1100	Problem Solving Skills for Health Science	1
HSCI 1200	Health and Society: An Ecological and Societal Approach	3
HSCI 1200L	Health and Society: An Ecological and Societal Approach Lab	1
HSCI 2200	Introduction to Public Health	3
HSCI 2202	Software Applications in the Health Sciences	3
HSCI 2203	Introduction to Statistics in Health Sciences	3

Upper-division requirements: (42)

HSCI 3200	Foundations of Public Health Education	3
HSCI 3201	Health Behavior	3
HSCI 3202	Topics in Environmental and Occupational Health	3
HSCI 3203	Global Health	3
HSCI 3204	Public Health Nutrition	3
HSCI 3205	Biostatistics for Health Science	3
HSCI 3206	Public Health Law and Ethics	3
HSCI 3207	Social Determinants of Health	3
HSCI 3208	Introduction to Professional Development and Communication	3
HSCI 4200	Health Administration	3
HSCI 4202	Epidemiology	3
HSCI 4203	Public Health Program Planning and Implementation	3
HSCI 4204	Research Methods and Evaluation in Public Health	3
HSCI 4205	Advanced Professional Writing in Public Health	3

Capstone Experience (3)

Three units chosen from:		3
HSCI 4213	Community Service Project in Public Health	
HSCI 5752	Field Experience in Health Science	
HSCI 5753	Field Experience in Health Science	
HSCI 5970	Honors Thesis for Public Health	

Electives (9)

Nine units chosen from:		9
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HSCI 4206	Infectious Disease Burden in U.S.
HSCI 4207	Chronic Disease Burden in U.S.
HSCI 4208	Drug and Alcohol Issues
HSCI 4209	Complementary and Alternative Medicine
HSCI 4210	Cultural Competency
HSCI 4211	Mental Health Issues in Public Health
HSCI 4212	Topics about Special Populations
HSCI 5951PH	Independent Study for Public Health
HSCI 5952PH	Independent Study for Public Health
HSCI 5953PH	Independent Study for Public Health

Total Units 68

Designated Subject Credential in Adult Education

This credential is for anyone teaching in an adult learning environment. This credential is for those candidates seeking employment with a correctional institution, community college, private secondary or post-secondary environment.

Credential Requirements (15 units)

Appropriate work experience and a high school diploma (or the equivalent) are required for admission to the Designated Subjects Career and Technical (CTE) Teaching Credential Program. Applicants should have at least three years of verifiable work experience directly related to each industry sector named on the credential. One year must equal a minimum of 1000 clock hours. The experience may be full-time or part-time, paid or unpaid. One year of work experience must be within the last five years or two years of work experience must be within the last ten years in the area listed on the credential. Contact the Jim and Judy Watson College of Education Student Services Office for additional information on credential processing requirements.

Required Courses for Cleared Credential:

ECTS 5010	Principles and Methods for Teaching Designated Subjects	3
or ECTS 6010	Principles and Methods for Teaching Designated Subjects	
ECTS 5020	Instructional Support for Teaching Designated Subjects	3
or ECTS 6020	Instructional Support for Teaching Designated Subjects	
ECTS 5040	Principles of Career and Technical Education	3
or ECTS 6040	Principles of Career and Technical Education	
ECTS 5180	Field Work in Designated Subjects	3
or ECTS 6180	Field Work in Designated Subjects	
ECTS 5190	Instructional Technology for Career and Technical Educators	3
or ECTS 6190	Instructional Technology for Career and Technical Educators	
Total Units		15

Additional Requirements

Students must also complete:

1. The United States Constitution requirement (or successful completion of an examination administered through the College of Extended Learning) Current options:

HIST 1460	History of the United States: Pre-Colonization to Present	3
HIST 2000	United States History to 1877	3
HIST 5400	Constitutional History of the United States	3
PSCI 2030	Government of the United States	3

PSCI 4100	American Constitutional Law	3
PSCI 4110	The Bill of Rights	3

2. Fulfill the health education requirement; current option HSCI 5240.
3. Valid CPR card (Adult, child, Infant).
4. Two (2) years of teaching experience.

The Preliminary Credential is used on the basis of documented work experience and the Clear Credential issued after the applicant has completed the indicated course work, met the health education requirement, and taught a minimum of two years under the Preliminary Credential.

Applicants having questions about Designated Subjects Credentials, the Bachelor of Arts in Career and Technical Studies, or the Bachelor of Science in Career and Technical Studies should contact the Program Coordinator of the specific program.

Designated Subjects Career and Technical Education Credential

This credential is for those candidates seeking employment with a Regional Occupational Program (ROP), Public or Charter School or Correctional Institution. It also beneficial for persons teaching in a community college, private secondary or post-secondary environment.

Credential Requirements (15 units)

Appropriate work experience and a high school diploma (or the equivalent) are required for admission to the Designated Subjects Career and Technical (CTE) Teaching Credential Program. Applicants should have at least three years of verifiable work experience directly related to each industry sector named on the credential. One year must equal a minimum of 1000 clock hours. The experience may be full-time or part-time, paid or unpaid. One year of work experience must be within the last five years or two years of work experience must be within the last ten years in the area listed on the credential. Contact the Jim and Judy Watson College of Education Student Services Office for additional information on credential processing requirements.

Required Courses for Cleared Credential

ECTS 5010	Principles and Methods for Teaching Designated Subjects	3
or ECTS 6010	Principles and Methods for Teaching Designated Subjects	
ECTS 5020	Instructional Support for Teaching Designated Subjects	3
or ECTS 6020	Instructional Support for Teaching Designated Subjects	
ECTS 5040	Principles of Career and Technical Education	3
or ECTS 6040	Principles of Career and Technical Education	
ECTS 5180	Field Work in Designated Subjects	3
or ECTS 6180	Field Work in Designated Subjects	
ECTS 5190	Instructional Technology for Career and Technical Educators	3
or ECTS 6190	Instructional Technology for Career and Technical Educators	
Total Units		15

Additional Requirements

Students must also complete:

1. The United States Constitution requirement (or successful completion of an examination administered through the College of Extended Learning) Current options:

HIST 1460	History of the United States: Pre-Colonization to Present	3
HIST 2000	United States History to 1877	3
HIST 5400	Constitutional History of the United States	3
PSCI 2030	Government of the United States	3

PSCI 4100	American Constitutional Law	3
PSCI 4110	The Bill of Rights	3

2. Fulfill the health education requirement; current option HSCI 5240.
3. Valid CPR card (Adult, child, Infant).
4. Two (2) years of teaching experience.

The Preliminary Credential is used on the basis of documented work experience and the Clear Credential issued after the applicant has completed the indicated course work, met the health education requirement, and taught a minimum of two years under the Preliminary Credential.

Applicants having questions about Designated Subjects Credentials, the Bachelor of Arts in Career and Technical Studies, or the Bachelor of Science in Career and Technical Studies should contact the Program Coordinator of the specific program.

Doctor of Education in Educational Leadership

The doctoral program in Educational Leadership is a rigorous, research-based program which prepares PK-12 and Community College leaders who can apply their knowledge base with the critical skills of analysis, inquiry, research and evaluation to contribute to the study, development, and implementation of educational reforms.

Admission to the Program

The recruitment and admissions committee will oversee the specific admissions processes for the program, review candidate applications and make admissions decisions. The graduate admissions standards of the university shall apply to all Ed.D. candidates.

The Ed.D. program requires the following of applicants for admission to the doctoral program:

1. A completed application;
2. An earned baccalaureate degree and master's degree from an accredited institution of higher education with a cumulative grade point average of 3.0 or higher in upper-division and graduate study combined;
3. Official transcripts from each college or university attended since high school graduation (no exceptions);
4. Submission of Graduate Record Examination (GRE) scores from three sections of the General Test taken within the last five years;
5. Three letters of recommendation from professionals in the field attesting to the leadership ability and scholarship potential of the candidate; included shall be one letter from an educationally related institution or university administrator and at least one letter from a university faculty member preferably with a doctoral degree that addresses the applicant's potential for academic success in a doctoral program. Letters must be sent directly to the Office of Doctoral Studies.
6. A written statement of purpose reflecting an understanding of the challenges facing the public schools or community colleges/institutions of higher education in California;
7. A scholarly writing sample such as a master's thesis;
8. Sufficient preparation and experience to benefit from the program;
9. Demonstrated educational leadership potential and skills including successful experience in school, postsecondary, community, and/or policy leadership;
10. Demonstrated academic excellence, problem-solving ability, technology proficiency, and interest in critically assessing and bringing about improvements to current educational policies and practices as that pertains to social justice and equity; and
11. A personal interview.

Requirements for Graduation

1. All 60 units required must be at the doctoral level.
2. At least 48 units required for the degree shall be completed in residence.
3. The overall grade point average must be at least a 3.0, and grades in individual courses must be a "B-" or better. Courses in which no letter grade is assigned shall not be used in computing the grade

point average. Students with a grade point average below 3.0 in two successive terms will be disqualified from the program.

4. The Graduate Writing Assessment Requirements is met through successful completion of the doctoral dissertation.
5. The Ed.D. program is designed to be completed in three calendar years, including two required summer sessions. However, students are allowed five years of completion for the requirements of the doctoral degree. In accordance with Title 5, the appropriate campus authority may extend the time for completion.
6. After completion of the qualifying examination, the student will advance to candidacy and can begin taking EDDL 7804. No more than 12 semester units shall be allowed for a dissertation. If students do not complete their qualifying examination within three years of the program, they will be placed on academic probation.
7. Continuous enrollment is a requirement of the program. If extenuating circumstances require that the student leave the program for a period of time, the student must file a Leave of Absence for all semesters including all summer sessions. The doctoral leadership will develop an adjusted program plan with the student.
8. Ed.D. students must take their summer courses over the summer. Independent studies as substitutes for the summer courses are not allowed.
9. Ed.D. students may be permitted to repeat one course one time only. The original course grade on the student's permanent record will be discounted. Only the second grade earned shall apply to the student's cumulative post baccalaureate grade point average. The first attempt will show on the transcript with the repeat (discount) noted. If a student fails two courses, they will be automatically dismissed from the Ed.D. program.
10. Grade grievances must follow the university grade grievance policy. Non-academic grievances must follow the university non-academic grievance policy.
11. Issues related to student conduct and plagiarism will be addressed in accordance with university policy.

Program Milestones and Related Requirements

The Ed.D. Program includes rigorous classes, a qualifying examination, and written and oral defense of both a Dissertation Proposal and Dissertation, passage of which is required for student progression to program completion and degree conferral.

1. Dissertation Committee

The dissertation committee must be composed of a three member committee that includes: (a) a chair who must come from the Ed.D. program faculty. The other two members must have their doctoral degree or terminal degree and related expertise in the student's field of inquiry. The committee must be approved by the doctoral studies leadership. The committee is responsible for writing and reviewing the qualifying exam. In addition, the committee supports the student through the dissertation process and approves their work.

2. Written and Oral Qualifying Examinations

The qualifying examination is based on the student's approved literature review and is a rigorous assessment of student knowledge in response to questions generated by the student's dissertation committee. The qualifying examinations are administered when the student's dissertation committee has deemed the student is ready for the exam based on their literature review. Once students have

passed their qualifying examination, a proposal for the dissertation is written and defended orally. Once the student's proposal (both written and oral) has been approved, they continue to work on their dissertation. The final step in the program is the written dissertation and oral defense.

3. Dissertation Proposal

The dissertation research will focus on a significant professional problem or issue and will have the potential to contribute, generally or in the context of a particular educational institution, to the improvement of public PreK-12 or community college/higher education. Work in support of the dissertation is embedded throughout the Ed.D. curriculum. However, formal dissertation research is subject to (a) passage of the dissertation proposal defense and (b) approval of human subjects by the Institutional Review Board in this order, which constitutes formal approval for the candidate to proceed with the dissertation research as proposed.

The dissertation proposal must demonstrate a strong scholarly and professional foundation of knowledge on the part of the candidate and must demonstrate the candidate's ability to apply this knowledge to rigorous study of PreK-12 or community college/higher education. The dissertation proposal will contain, at a minimum, a description of the problem, a review of the relevant literature, a statement of the research question, a description of the research methodology, and a time-line for completion of the study.

The committee communicates formally in writing to the student its (a) approval, (b) approval with modifications, or (c) lack of approval. In the case of approval with modifications or lack of approval, the committee will communicate to the student in writing the process and expectations for resubmission. If the student is required to resubmit the proposal, the committee will review the revised proposal and communicate the outcome to the student in writing. The student must receive written approval of the proposal by the committee and written notification by the Institutional Review Board that human subjects review requirements have been met, and they must submit that approval letter to the doctoral studies office in order to proceed with the formal conduct of the dissertation research.

4. Institutional Review Board

Evidence of Institutional Review Board approval must be submitted to the doctoral studies office prior to the recruitment of participants and collection of data. Any changes to the original IRB protocol must be submitted and approved as an addendum to the IRB and IRB approval of that addendum must be submitted to the doctoral studies office. Failure to follow these steps presents grounds for dismissal from the program.

5. Dissertation Defense

The dissertation is the written product of the research undertaken in accordance with the approved proposal. The dissertation will state the research problem and question(s), describe the primary theoretical perspectives of the research, identify the major assumptions, explain the significance of the undertaking and relate it to the relevant scholarly and professional literature, describe the research methods, the sources for and methods of gathering data, the approaches used for analyzing the data, the findings based on the analysis of the data, and the conclusions or recommendations. The dissertation will reflect original analysis and independent, critical thought.

The committee communicates formally in writing to the student its (a) approved with commendation, to be conferred, (b) approved, to be conferred, (c) approved with following conditions/ recommendations, and (d) disapproved. In the case of approval with conditions or disapproved, the committee will communicate to the student in writing the process and expectations for resubmission. If the student is required to resubmit the dissertation, the committee will review the revised proposal and communicate the outcome to the student in writing.

Unanimous agreement of the dissertation committee is required for approval of the dissertation and recommendation that the Ed.D. degree be conferred. In the event that the dissertation committee requires substantive changes to the dissertation, the final vote of the committee will be postponed until the changes are completed.

Submission of the approved dissertation is the last step in the program leading to the awarding of the Ed.D. degree. The dissertation must be submitted by the Graduate Studies deadline. The dissertation format must conform to Graduate Studies approved dissertation manuscript requirements. The final copy of the dissertation must be approved by the dissertation committee and the Office of Graduate Studies.

Degree Requirements (61 units)

EDDL 7901	Theories and Principles of Leadership	3
EDDL 7902	Leadership and Educational Reform	3
EDDL 7903	Leadership and Fiscal Planning in Complex Organizations	3
EDDL 7904	Human Resources Development and Management	3
EDDL 7905	Field-based Practicum in PK-20 Settings	3
ESPE 7906	Leadership in Program Development for Students with Disabilities	3
EDUC 7907	Diversity and Equity in Education	3
EDUC 7908	Ethical Leadership and Decision Making in Education	3
EDDL 7801	Scientific Inquiry	4
EDDL 7802	Applied Quantitative Research	3
EDDL 7803	Applied Qualitative Research	3
Specialization (15)		
Students must satisfy the requirements of one of the Specializations listed below.		15
Culminating Experience (12)		12
Total Units		61

Culminating Experience (12 units)

Qualifying Exam (0 units)

Qualifying Exam (0)

EDDL 7980	EdD Qualifying Exam	0
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Dissertation (12)

EDDL 7804	Dissertation	12
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Total Units		12
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Specializations (15 units)

Community College Specialization (15 units)

(Program Code: ELCC)

EDDL 7020	Foundations of Community Colleges and Other Higher Education Systems	3
EDUC 7420	Career and Technical Education Leadership in Community College	3
EDDL 7120	Leadership for Teaching and Learning in Community College/Higher Education	3
EDDL 7220	Higher Education Organization, Governance, and Policy	3
EDDL 7320	Assessment and Data Driven Decision-Making in Community Colleges/Higher Education	3
Total Units		15

PK-12 Specialization (15 units)

(Program Code: ELPT)

EDDL 7012	Foundations of Leadership in PK-12 Institutions	3
EDUC 7412	Leadership in Pupil Personnel Services	3
EDDL 7112	Leadership for Teaching and Learning in PK-12	3
EDDL 7212	Public School Organization, Governance, and Policy	3
EDDL 7312	Assessment and Data Driven Decision-Making in PK-12	3
Total Units		15

Education Specialist Degree in School Psychology

The Ed.S. in school Psychology is a 63 semester unit sequence program designed for students wishing to pursue a career in school psychology. In addition to the two years of coursework in assessment, consultation, evidence-based intervention, legal and ethical issues, multicultural counseling, research, measurement and cognitive assessment, students must complete 450 hours of applied practica. A 1200 hour internship in a school setting is completed during the third year. A comprehensive examination given by NASP consistent with Nationally Certified School Psychologists must also be passed during the third year.

The Ed.S in school psychology fulfills all coursework needed to comply with the common and generic standards for the Pupil Personnel Services Credential (PPS) as well as advanced coursework which meets the CA state standards for school psychology specialization.

Admission to the Program

Candidates are admitted for fall only. In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A baccalaureate degree from an accredited college or university in psychology, child development, or related social science field;
2. Official transcripts;
3. Personal statement of why candidate wants to pursue graduate degree in school psychology;
4. Two reference forms and letters of recommendation from persons having knowledge of the applicant's potential as a school psychologist;
5. Evidence of current negative TB test;
6. Submission of an application for a certificate of clearance or evidence of a credential or permit authorizing public school teaching in California;
7. Minimum grade point average of 3.0;
8. Prerequisite classes include one class in Child Development and one class in Statistics;
9. The California Basic Educational Skills Test (CBEST) must be completed before the end of the student's first year of classes.

Advancement to Candidacy

1. Achieve classified status.
2. Submitted documentation of successful passing of the CBEST or other test of basic skills.
3. Completion of 24 semester units of coursework in the program.
4. Maintain an overall GPA of 3.0 ("B") or better and no grades below a B-.
5. File an approved Program Plan. The Program Plan must be approved by the student, major advisor/program coordinator and filed with Student Services in the College of Education.

Requirements for Graduation

1. All courses taken to satisfy the requirements for the Ed.S. must be completed with a minimum of 3.0 ("B") or better;
2. 44 units of coursework must be completed at this university;
3. Advance to candidacy;
4. The Graduate Writing Assessment Requirements is met upon successful completion of EDSP 6607 with a grade of B or higher;
5. Completion of 1200 hour supervised fieldwork/internship;
6. Comprehensive examination that consists of a passing score on the Praxis exam put out by ETS for the National Association of School Psychologists;
7. Completion of a graduation requirement check.

Degree Requirements (63 units)

EDSP 6607	Research in School Psychology	3
EDSP 6619	Tests and Measurements in School Psychology	3
EDSP 6620	Introduction to School Psychology Practicum	3
EDSP 6632	Psychological Foundations of Education and Learning Theory	3
EDSP 6633	Advanced Child Development	3
EDSP 6647	Individual Testing and Case Study Techniques	3
EDSP 6648	Ecological Assessment and Case Study Techniques	3
EDSP 6656	Counseling Theories	3
EDSP 6658	Consultation in School Systems for School Psychologists	3
EDSP 6660	Child Psychopathology	3
EDSP 6678	Counseling in the School and Community	3
EDSP 6681	Counseling Practicum	3
EDSP 6685	School Psychology Practicum I	3
EDSP 6686	School Psychology Practicum II	3
EDSP 6687	School Psychologists as Change Agents: Theory and Practice	3
EDSP 6688	Behavioral Assessment and Intervention	3
EDSP 6691	Applied Research in Educational Settings	3
EDSP 6756	Seminar/Internship in School Psychology (repeat twice for a total of 12 units)	12
Culminating Experience (0)		0
Total Units		63

Culminating Experience (0 units)

Ed.S. students take the Praxis exam put out by ETS for the National Association of School Psychologists, which indicates student knowledge level is equivalent to school psychology programs across the country. For this program, a passing score is one-half standard deviation below the national mean of 147. The Praxis exam can be taken any time after the student advances to candidacy. Students who do not receive a passing score may petition the School Psychology Program Coordinator to retake the examination. Students who do not receive a passing score the second time must petition Graduate Studies with the approval of the School Psychology Program Coordinator to retake the exam. Approval to retake the examination may be, at any time, contingent on completion of additional designated courses and the development of a written plan.

EDSP 6980	Comprehensive Examination	0
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Total Units		0

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Internship Education Specialist Credential:

Early Childhood Special Education with EL Authorization

Basic Teaching Credentials

The CSU prepares teachers for positions in California as well as other states. It is in the student's best interest to be knowledgeable about credential or licensure requirements of the state in which they intend to teach.

The Early Childhood Special Education Intern Program is an alternative certification program in which interns are employed full-time as Special Education teachers for children with disabilities between the ages of birth and pre-kindergarten while earning the Preliminary Education Specialist Credential for Early Childhood Special Education with English Language (EL) Authorization and the Master of Science in Special Education. All requirements must be completed in two years. Candidates will be admitted to this program beginning in the Fall 2020 semester.

According to the CTC, candidates completing the Preliminary Education Specialist Credential in Early Childhood Special Education are authorized to conduct assessments, provide instruction, and special education related services to children from birth to pre-kindergarten, with a primary disability of specific learning disability, mild/moderate mental retardation, traumatic brain injury, other health impairment, autism spectrum disorders, moderate/severe mental retardation, deaf-blindness, serious emotional disturbance, and multiple disabilities. The program also meets state standards authorizing instruction to English learners to develop English language skills including reading.

Interns earn tenure credit in their districts and receive ongoing supervision/support from a university supervisor and district support provider. Interested applicants should contact the Early Childhood Special Education Intern Coordinator for program information, including the two-year program course sequence and program costs. Grant funds may be available for additional financial support.

Admission to the Program

Applicants must apply online via CSUMentor in addition to submitting a complete Program Admission File (PAF) to be considered for admission to the Preliminary Education Specialist Credential program in Early Childhood Special Education. Applicants must meet BOTH the general requirements of the university for Graduate Admission and the program requirements in order to be admitted to the university and classified as a graduate/credential candidate. In preparation for admission to the basic program, applicants must review the Special Education Credential Program Admission Booklet which can be downloaded at CSU Special Education Program website (<https://coe.csusb.edu/departments-offices/src/>) and attend a mandatory Information Session scheduled through Teacher Education in the College of Education Student Services at either the San Bernardino or Palm Desert campus. At this session, applicants will receive instructions for completing their PAF. Applicants must submit a PAF to the Admissions staff in the College of Education Student Services according to the deadlines published for the semester of

admission. Admission to the credential program is based on the following requirements included in the PAF:

1. Completion of an application form;
2. Original written verification of passing score for the California Basic Educational Skills Test (CBEST);
3. Two written recommendations by persons who can address scholastic performance and suitability for teaching (recommendation forms are available in the Special Education Credential Program Admission Booklet);
4. A written personal narrative to be reviewed and approved by the Special Education Program Director;
5. Verification of a negative tuberculin examination within the last four years;
6. Academic achievement, verified through official transcripts from ALL institutions of higher education attended. Applicants must possess a minimum undergraduate grade point average of at least 2.67 in all baccalaureate and postbaccalaureate course work or at least 2.75 in the last 60 semester or 90 quarter units attempted;
7. Documentation of 45 hours of experience in programs designed to provide educational services to children and/or families from birth to pre-K;
8. Submission of an application for a certificate of clearance or evidence of a credential or permit authorizing public school teaching in California;
9. Verification of attendance at a Special Education Information Session;
10. Satisfactory completion of prerequisite courses with a grade of "B" or better:

ESPE 5530	Introduction to Special Education	3
ESPE 5531	Methods and Procedures in Special Education	3

Upon admission to the university and the Preliminary Education Specialist Credential Program, all candidates must attend the mandatory New Student Orientation. At this session, candidates will receive a program handbook and will be advised on completing an approved Coursework Plan.

Eligibility for the Internship Program (9 units)

In addition to meeting the general requirements for admission to the university and the Special Education Credential program, eligibility for the Internship program requires the following:

1. Submission of application for the Internship Education Specialist Credential: Early Childhood Special Education;
2. Satisfactory completion of program prerequisite coursework requirements with a grade of "B-" or better unless otherwise specified:

ESPE 5530	Introduction to Special Education	3
ESPE 5531	Methods and Procedures in Special Education	3
ESPE 5514	Language Development in Diverse Learners	3

Note: These courses may be included in Internship Program Requirements if pre-service requirements are met through possession of valid California Multiple Subjects or Single Subject Teaching credential.

3. Preparation to teach English learners must be verified by one of the following:
 - a. Pre-service EL coursework/instruction;
 - b. Valid California Credential with EL Authorization;

- c. CLAD/BCLAD Certification;
- d. Interview by university/school district representatives at the discretion of the Intern Program Coordinator.

Recommendation for the Internship Education Specialist Credential: Early Childhood Special Education

In addition to classified program admission and successful verification of eligibility for the internship program, the candidate must successfully complete the following requirements in order to be recommended for the Internship Education Specialist Credential in Early Childhood Special Education:

1. Employment as a special day class teacher for children with disabilities between the ages of birth and pre-kindergarten in a participating school district, verified by a copy of the contract indicating the beginning date of employment as an intern (Month/Day/Year) with the authorized signature as designated by the school district personnel office. The recommended credential issuance date will be the date the employing school district specifies on this contract as the beginning date of service;
2. Application for On-line Recommendation submitted to Credential Processing in the College of Education Student Services;
3. Completion of the U.S. Constitution requirement by one of the following:

HIST 1460	History of the United States: Pre-Colonization to Present	3
HIST 2000	United States History to 1877	3
HIST 5400	Constitutional History of the United States	3
PSCI 2030	Government of the United States	3
PSCI 4100	American Constitutional Law	3
PSCI 4110	The Bill of Rights	3

Successful completion of an examination administered through the College of Extended Learning;

Approved U.S. Constitution course substitution at another university.

Credential Requirements (47 units)

All requirements must be met within the term of the internship credential (two years). Completion of the following courses with a grade point average of 3.0 or better with no grade lower than a "B-:"

ESPE 6609	Practicum: Educating Students with Autism Spectrum Disorder	1
ESPE 6610	Educating Students with Autism Spectrum Disorders	3
ESPE 6611	Assessment and Evaluation for Planning and Instruction	3
ESPE 6612	Creating Supportive Learning Environments for Students with Disabilities	3
ESPE 6615	Seminar on Language and Literacy in Early Childhood Special Education	3
ESPE 6616	Practicum: Seminar on Language and Literacy in Early Childhood Education	1
ESPE 6625	Collaboration and Consultation in Special Education	3
ESPE 6672	Birth to Age Three Methods in Early Childhood Special Education	3

ESPE 6673	Preschool through Kindergarten Methods in Early Childhood Special Education	3
ESPE 6624	Supervised Intern Teaching in Special Education: Early Childhood Special Education	24
Total Units		47

Recommendation for the Preliminary Education Specialist Credential: Early Childhood Special Education

In addition to credential and degree course work, candidates must successfully complete the following exit requirements to be recommended for the Preliminary Education Specialist Credential: Early Childhood Special Education:

1. A grade point average of 3.0 ("B") in professional education course work, with no course grade lower than a "B-;"
2. Completion of the upper-division writing requirement;
3. Application for On-line Recommendation submitted to Credential Processing in the College of Education Student Services.

Internship Education Specialist Credential:

Mild/Moderate Disabilities with EL Authorization

Basic Teaching Credentials

The CSU prepares teachers for positions in California as well as other states. It is in the student's best interest to be knowledgeable about credential or licensure requirements of the state in which they intend to teach.

The Mild-to-Moderate Special Education Intern Program is an alternative certification program in which interns are employed full-time as Special Education teachers for children with mild/moderate disabilities while earning the Preliminary Education Specialist Credential for Mild-to-Moderate Disabilities with English Language (EL) Authorization and the Master of Science in Special Education. All requirements must be completed in two years. Candidates will be admitted to this program beginning in the Fall 2020 semester.

According to the CTC, candidates completing the Preliminary Education Specialist credential in Mild-to-Moderate Disabilities are authorized to conduct assessments, provide instruction, and special education related services to individuals with a primary disability of specific learning disabilities, mild to moderate mental retardation, other health impairment, emotional disturbance, and autism spectrum disorders in kindergarten, grades 1 through 12, and classes organized for adults. The program also meets state standards authorizing instruction to English learners to develop English language skills including reading.

Interns earn tenure credit in their districts and receive ongoing supervision/support from a university supervisor and district support provider. Interested applicants should contact the Mild/Moderate Intern Coordinator for program information, including the two-year program course sequence and program costs. Grant funds may be available for additional financial support.

Admission to the Program

Applicants must apply online via CSUMentor in addition to submitting a complete Program Admission File (PAF) to be considered for admission to the Preliminary Education Specialist Credential program in Mild-to-Moderate Disabilities. Applicants must meet BOTH the general requirements of the university for Graduate Admission and the program requirements in order to be admitted to the university and classified as a graduate/credential candidate. In preparation for admission to the basic program, applicants must review the Special Education Credential Program Admission Booklet which can be downloaded at CSU Special Education Program website (<https://coe.csusb.edu/departments-offices/src/>) and attend a mandatory Information Session scheduled through Teacher Education in the College of Education Student Services at either the San Bernardino or Palm Desert campus. At this session, applicants will receive instructions for completing their PAF. Applicants must submit a PAF to the Admissions staff in the College of Education Student Services according to the deadlines published for the semester of admission. Admission to the credential program is based on the following requirements included in the PAF:

1. Completion of an application form;
 2. Original written verification of passing score for the California Basic Educational Skills Test (CBEST);
 3. Two written recommendations by persons who can address scholastic performance and suitability for teaching (recommendation forms are available in the Special Education Credential Program Admission Booklet);
 4. A written personal narrative to be reviewed and approved by the Special Education Program Director;
 5. Verification of a negative tuberculin examination within the last four years;
 6. Academic achievement, verified through official transcripts from ALL institutions of higher education attended. Applicants must possess a minimum undergraduate grade point average of at least 2.67 in all baccalaureate and postbaccalaureate course work or at least 2.75 in the last 60 semester or 90 quarter units attempted;
 7. Documentation of 45 hours of experience in K-12 classrooms;
 8. Submission of an application for a certificate of clearance or evidence of a credential or permit authorizing public school teaching in California;
 9. Verification of attendance at a Special Education Information Session;
 10. Satisfactory completion of prerequisite courses with a grade of "B" or better:
- | | | |
|-----------|---|---|
| ESPE 5530 | Introduction to Special Education | 3 |
| ESPE 5531 | Methods and Procedures in Special Education | 3 |

Upon admission to the university and the Preliminary Education Specialist Credential Program, all candidates must attend the mandatory New Student Orientation. At this session, candidates will receive a program handbook and will be advised on completing an approved Coursework Plan.

Eligibility for the Internship Program (9 units)

In addition to meeting the general requirements for admission to the university and the Special Education Credential program, eligibility for the Internship program requires the following:

1. Submission of application for the Internship Education Specialist Credential: Mild-to-Moderate Disabilities;
 2. Satisfactory completion of program prerequisite coursework requirements with a grade of "B-" or better unless otherwise specified:
- | | | |
|-----------|---|---|
| ESPE 5530 | Introduction to Special Education | 3 |
| ESPE 5531 | Methods and Procedures in Special Education | 3 |
| ESPE 5514 | Language Development in Diverse Learners | 3 |

Note: These courses may be included in Internship Program Requirements if pre-service requirements are met through possession of valid California Multiple Subjects or Single Subject Teaching credential.

3. Preparation to teach English learners must be verified by one of the following:
 - a. Pre-service EL coursework/instruction;
 - b. Valid California Credential with EL Authorization;
 - c. CLAD/BCLAD Certification;
 - d. Interview by university/school district representatives at the discretion of the Intern Program Coordinator.

Recommendation for the Internship Education Specialist Credential: Mild/Moderate Disabilities:

In addition to classified program admission and successful verification of eligibility for the internship program, the candidate must successfully complete the following requirements in order to be recommended for the Internship Education Specialist Credential in Mild-to-Moderate Disabilities:

1. Employment as a special day class teacher for pupils with mild/moderate disabilities in a participating school district, verified by a copy of the contract indicating the beginning date of employment as an intern (Month/Day/Year) with the authorized signature as designated by the school district personnel office. The recommended credential issuance date will be the date the employing school district specifies on this contract as the beginning date of service;
2. Application for On-line Recommendation submitted to Credential Processing in the College of Education Student Services;
3. Completion of the U.S. Constitution requirement by one of the following:

HIST 1460	History of the United States: Pre-Colonization to Present	3
HIST 2000	United States History to 1877	3
HIST 5400	Constitutional History of the United States	3
PSCI 2030	Government of the United States	3
PSCI 4100	American Constitutional Law	3
PSCI 4110	The Bill of Rights	3

Successful completion of an examination administered through the College of Extended Learning;

Approved U.S. Constitution course substitution at another university.

Credential Requirements (47 units)

All requirements must be met within the term of the internship credential (two years). Completion of the following courses with a grade point average of 3.0 or better with no grade lower than a "B-:"

ESPE 6609	Practicum: Educating Students with Autism Spectrum Disorder	1
ESPE 6610	Educating Students with Autism Spectrum Disorders	3
ESPE 6611	Assessment and Evaluation for Planning and Instruction	3
ESPE 6612	Creating Supportive Learning Environments for Students with Disabilities	3
ESPE 6613	Seminar in Literacy Learning for K-12 Students with Disabilities	3
ESPE 6614	Practicum: Seminar in Literacy Learning for K-12 Students with Disabilities	1
ESPE 6625	Collaboration and Consultation in Special Education	3
ESPE 6642	Methods in Mild/Moderate Disabilities I	3
ESPE 6643	Methods in Mild/Moderate Disabilities II	3
ESPE 6622	Supervised Intern Teaching in Special Education: Mild/Moderate Disabilities	24
Total Units		47

Recommendation for the Preliminary Education Specialist Credential: Mild/Moderate Disabilities

In addition to credential and degree course work, candidates must successfully complete the following exit requirements to be recommended for the Preliminary Education Specialist Credential: Mild/Moderate Disabilities:

1. A grade point average of 3.0 ("B") in professional education course work, with no course grade lower than a "B-;"
2. Completion of the upper-division writing requirement;
3. Application for On-line Recommendation submitted to Credential Processing in the College of Education Student Services.

Internship Education Specialist Credential:

Moderate/Severe Disabilities with EL Authorization

Basic Teaching Credentials

The CSU prepares teachers for positions in California as well as other states. It is in the student's best interest to be knowledgeable about credential or licensure requirements of the state in which they intend to teach.

The Moderate/Severe Disabilities Intern Program is an alternative certification program in which interns are employed full-time as Special Education teachers for pupils with moderate/severe disabilities while earning the Preliminary Education Specialist Credential in Moderate/Severe Disabilities with English Language (EL) Authorization and the Master of Science in Special Education. All requirements must be completed in two years. Candidates will be admitted to this program beginning in the Fall 2020 semester.

According to the CTC, candidates completing the Preliminary Education Specialist Credential in Moderate/Severe Disabilities are authorized to conduct assessments, provide instruction, and special education related services to individuals with a primary disability of autism, moderate/severe/profound mental retardation, deaf-blind, emotional disturbance, and multiple disabilities in kindergarten, grades 1 through 12, to age 22, and classes organized for adults. The program also meets state standards authorizing instruction to English learners to develop English language skills including reading.

Interns earn tenure credit in their districts and receive ongoing supervision/support from a university supervisor and district support provider. Interested applicants should contact the Moderate/Severe Disabilities Intern Coordinator for program information, including the two-year program course sequence and program costs. Grant funds may be available for additional financial support.

Admission to the Program

Applicants must apply online via CSUMentor in addition to submitting a complete Program Admission File (PAF) to be considered for admission to the Preliminary Education Specialist Credential program in Moderate/Severe Disabilities. Applicants must meet BOTH the general requirements of the university for Graduate Admission and the program requirements in order to be admitted to the university and classified as a graduate/credential candidate. In preparation for admission to the basic program, applicants must review the Special Education Credential Program Admission Booklet which can be downloaded at CSU Special Education Programs website (<https://coe.csusb.edu/departments-offices/src/>) and attend a mandatory Information

Session scheduled through Teacher Education in the College of Education Student Services at either the San Bernardino or Palm Desert campus. At this session, applicants will receive instructions for completing their PAF. Applicants must submit a PAF to the Admissions staff in the College of Education Student Services according to the deadlines published for the semester of admission. Admission to the credential program is based on the following requirements included in the PAF:

1. Completion of an application form;
2. Original written verification of passing score for the California Basic Educational Skills Test (CBEST);
3. Original written verification of a passing score on the CSET examination or appropriate subject matter competency;
4. Two written recommendations by persons who can address scholastic performance and suitability for teaching (recommendation forms are available in the Special Education Credential Program Admission Booklet);
5. A written personal narrative to be reviewed and approved by the Special Education Program Director;
6. Verification of a negative tuberculin examination within the last four years;
7. Academic Achievement, verified through official transcripts from ALL institutions of higher education attended. Applicants must possess a minimum undergraduate grade point average of at least 2.67 in all baccalaureate and postbaccalaureate course work or at least 2.75 in the last 60 semester or 90 quarter units attempted;
8. Documentation of 45 hours of experience in K-12 classrooms;
9. Submission of an application for a certificate of clearance or evidence of a credential or permit authorizing public school teaching in California;
10. Verification of attendance at a Special Education Information Session;
11. Satisfactory completion of prerequisite courses with a grade of "B" or better:

ESPE 5530	Introduction to Special Education	3
ESPE 5531	Methods and Procedures in Special Education	3

Upon admission to the university and the Preliminary Education Specialist Credential Program, all candidates must attend the mandatory New Student Orientation. At this session, candidates will receive a program handbook and will be advised on completing an approved Coursework Plan.

Eligibility for the Internship Program (9 units)

In addition to meeting the general requirements for admission to the university and the Special Education Credential program, eligibility for the Internship program requires the following:

1. Submission of application for the Internship Education Specialist Credential: Moderate/Severe Disabilities;
2. Satisfactory completion of prerequisite coursework requirements with a grade of "B-" or better unless otherwise specified:

ESPE 5530	Introduction to Special Education	3
ESPE 5531	Methods and Procedures in Special Education	3
ESPE 5514	Language Development in Diverse Learners	3

Note: These courses may be included in Internship Program Requirements if pre-service requirements are met through possession of valid California Multiple Subjects or Single Subject Teaching credential.

3. Preparation to teach English learners must be verified by one of the following:
 - a. Pre-service EL coursework/instruction;
 - b. Valid California Credential with EL Authorization;
 - c. CLAD/BCLAD Certification;

- Interview by university/school district representatives at the discretion of the Intern Program Coordinator.

ESPE 6623	Supervised Intern Teaching in Special Education: Moderate/Severe Disabilities	24
Total Units		47

Recommendation for the Internship Education Specialist Credential: Moderate/Severe Disabilities

In addition to classified program admission and successful verification of eligibility for the internship program, the candidate must successfully complete the following requirements in order to be recommended for the Internship Education Specialist Credential in Moderate/Severe Disabilities:

- Employment as a special day class teacher for pupils with moderate/severe disabilities in a participating school district, verified by a copy of the contract indicating the beginning date of employment as an intern (Month/Day/Year) with the authorized signature as designated by the school district personnel office. The recommended credential issuance date will be the date the employing school district specifies on this contract as the beginning date of service;
- Application for On-line Recommendation submitted to Credential Processing in the College of Education Student Services;
- Completion of the U.S. Constitution requirement by one of the following:

HIST 1460	History of the United States: Pre-Colonization to Present	3
HIST 2000	United States History to 1877	3
HIST 5400	Constitutional History of the United States	3
PSCI 2030	Government of the United States	3
PSCI 4100	American Constitutional Law	3
PSCI 4110	The Bill of Rights	3

Successful completion of an examination administered through the College of Extended Learning;
 Approved U.S. Constitution course substitution at another university.

Recommendation for the Preliminary Education Specialist Credential: Moderate/Severe Disabilities

In addition to credential and degree course work, candidates must successfully complete the following exit requirements to be recommended for the Preliminary Education Specialist Credential: Moderate/Severe Disabilities:

- A grade point average of 3.0 ("B") in professional education course work, with no course grade lower than a "B-;"
- Completion of the upper-division writing requirement;
- Verification of a passing score on the RICA (Reading Instruction Competence Assessment).
Note: Holders of a valid California teaching credential based on a baccalaureate degree and completion of a teacher education program including student teaching, will be exempt from RICA. Contact the Credentials Office for further information, (909) 537-5609.
- Application for On-line Recommendation submitted to Credential Processing in the College of Education Student Services.

Credential Requirements (47 units)

All requirements must be met within the term of the internship credential (two years). Completion of the following courses with a grade point average of 3.0 or better with no grade lower than a "B-:"

ESPE 6609	Practicum: Educating Students with Autism Spectrum Disorder	1
ESPE 6610	Educating Students with Autism Spectrum Disorders	3
ESPE 6611	Assessment and Evaluation for Planning and Instruction	3
ESPE 6612	Creating Supportive Learning Environments for Students with Disabilities	3
ESPE 6613	Seminar in Literacy Learning for K-12 Students with Disabilities	3
ESPE 6614	Practicum: Seminar in Literacy Learning for K-12 Students with Disabilities	1
ESPE 6625	Collaboration and Consultation in Special Education	3
ESPE 6662	Methods for Students with Moderate/Severe Disabilities I	3
ESPE 6663	Methods for Students with Moderate/Severe Disabilities II	3

Master of Arts in Applied Archaeology

The Master of Arts in Applied Archaeology is a professionally-orientated program designed to provide a solid anthropological archaeology foundation for students and to prepare them for middle- and upper-level careers in the archaeological sector of the cultural resource management (CRM) industry. The program provides training in anthropological archaeology with a focus on developing a solid background in archaeological method and theory combined with practical experience in field and laboratory studies. Students are then trained how to use that background in an applied setting through curriculum focused on CRM regulations and practice, along with on-the-job training through an internship with a federal or state agency, a private firm, or a tribal entity that conducts archaeological investigations in the context of CRM. All students are required to design and execute a research project and successfully complete a thesis based on that project. Students earning their MA through this program will have the background regulatory and practical knowledge to enter the field of CRM or pursue a Ph.D. degree as a competitive candidate with a solid training in anthropological archaeology. The program is intended for evening students primarily and, therefore, classes are predominantly scheduled between 6 and 10 p.m.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A baccalaureate degree in anthropology or a closely related field from an accredited college or university;
2. A minimum cumulative undergraduate grade point average of at least 2.5 overall and at least 3.0 ("B") in the student's undergraduate major;
3. Demonstration of field experience by EITHER:
 - A. Completion of the following prerequisite course or its equivalent, completed with a grade of B or better: ANTH 4020L OR
 - B. Documented field experience in archaeology under professional supervision that is deemed by the Admissions Committee as being equivalent to successful completion of ANTH 4020L;
4. A brief statement (one to two double-spaced typewritten pages) describing the applicant's preparation for graduate study and professional goals;
5. Submission of three letters of recommendation from people who are in a position to make relevant comments on the student's likely success in the program. At least one of the letters should be from a former professor who is familiar with the student's scholarly abilities.

Advancement to Candidacy

In order to be formally advanced to candidacy, a student must have:

1. Achieved classified status;
2. Satisfied the Writing Requirement for Graduate Candidacy;
3. Secured a graduate advisor to supervise the course of study;
4. Secured a thesis committee to supervise the thesis project;
5. Completed, with the approval of the advisor, at least 9 semester units of graduate course work at this university and achieved a minimum grade point average of 3.0 ("B") in those courses;

6. Filed a graduate program plan approved by the student's advisor and the coordinator of the program;
7. Filed a thesis proposal approved by all members of the student's thesis committee.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable graduate-level work, with at least 21 semester units completed in residence at California State University, San Bernardino. Twenty-three semester units must be in 5000- and 6000-level courses;
2. A minimum grade point average of at least 3.0 ("B") in all courses;
3. Successful completion of a thesis or project (ANTH 6970)
4. The Graduate Writing Assessment Requirement is met though the MA thesis proposal submitted during the first year of work for the degree.

Degree Requirements (30-31 units)

(Program Code: AARC)

Required courses (24)

ANTH 6003	Advanced Studies in California Archaeology	3
ANTH 6004	History and Theory of Archaeology	3
ANTH 6005	Archaeological Research, Methods, and Proposal Design	3
ANTH 6013	Cultural Resource Management: Laws, Regulations, and Procedures	3
ANTH 6014	Cultural Resource Management in Practice	4
ANTH 6021L	Advanced Archaeological Laboratory Analysis	4
ANTH 6754	Graduate Internship in Applied Archaeology	4

Electives (3-4)

Three or four units chosen from the following courses:		3-4
ANTH 3015R	Archaeology of the Southwest	
ANTH 3019L	Experimental Archaeology and Ethnoarchaeology	
ANTH 5099	Selected Topics in Archaeology	
ANTH 5399	Selected Topics in Biological Anthropology	
ANTH 5699	Selected Topics in Sociocultural Anthropology	
ANTH 6012	Advanced Historical Archaeology	
GEOG 3710	Advanced Geographic Information Systems	
GEOG 4400	Geomorphology	
GEOG 4860	GIS and Socio-Economic Applications	
GEOL 5280	Digital Mapping and GIS for Scientists	
HIST 3260	Historic Preservation	
HIST 5600	History of the American West	
HIST 6230	Advanced Public and Oral History	
HIST 6160	Advanced Archival Practices	

Culminating Experience (3)

Total Units		30-31
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Culminating Experience (3 units)

ANTH 6970	Thesis Research	3
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Thesis/Project: Under normal circumstances, a student must complete a thesis that is approved by his or her thesis committee. The thesis must reflect original work and show a level of competence appropriate for a master's degree. The thesis committee shall consist of two or three faculty members, including the student's advisor, mutually agreed

upon by the student and faculty. By mutual agreement between the student and advisor, a third committee member may be recruited to the committee if that third member has specialized knowledge of the thesis project and holds a PhD from an accredited institution. The student should enroll in ANTH 6970 in the semester when completion of the thesis is anticipated. On occasion a student may be allowed to substitute a completed project for the thesis. Such a project must have a completed product and would reflect at least the same amount of work as a thesis and be completed to the same standard. The content and appropriateness of the project will be determined by a project committee constituted in the same way as a thesis committee.

DRAFT 9/2019

Master of Arts in Career and Technical Education

The M.A. in career and technical education is designed to provide advanced and specialized education to personnel working in a variety of settings related to career, technical, and adult education such as secondary, post secondary and other private and state environments. The program provides opportunities for teachers to gain expertise with and knowledge in pedagogy and andragogy required to teach their subject matter. The program can be used to meet the requirements for leadership positions in these facilities.

Admission to the Program

Applicants must possess a baccalaureate degree from an accredited college or university. Prior to being admitted to the Master of Arts in Career and Technical Education Program in the College of Education, applicants must be admitted to the university as an unclassified graduate student. Application for admission to the university should be made at least three months prior to the date the applicant would like to begin taking courses.

Advancement to Candidacy

In order to be formally advanced to candidacy, applicants must have:

1. Been accepted to the College of Education as a classified graduate student;
2. Completed the graduate entrance writing requirement;
3. Filed an approved graduate program form for completion of the degree.

The Career and Technical Education core consists of six courses: ECTS 6370, ECTS 6380, ECTS 6390, ECTS 5080, ECTS 5190, and ECTS 6350. Students should start with the College of Education writing requirement ECTS 5560.

Requirements for Graduation

1. A minimum of 33 semester units of acceptable work, with 27 completed in residence at this university;
2. A minimum of 15 units of credit taken after a student has been advanced to candidacy for the degree;
3. A grade point average of 3.0 ("B") in course work taken to satisfy the Master of Arts degree requirements and grades of "C" (2.0) or better in all courses in the program;
4. Registration and successful completion of comprehensive examination ECTS 6980;
5. the Graduate Writing Assessment Requirement is met through successful completion of ECTS 6980.

Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements. The program may not include less than one half the total number of courses taken at the 6000 level.

The program may not include more than 2 courses (3 semester units each) in approved extension and transfer courses from other colleges. California State University, San Bernardino will not consider for transfer

credit course work from an institution which will not accept that work in its own advanced degree program.

Degree Requirements (33 units)

Career and Technical Education Core (18)

ECTS 5080	Organization and Structure of Career and Technical Programs	3
or ECTS 6080	Organization and Structure of Career and Technical Programs	
ECTS 5190	Instructional Technology for Career and Technical Educators	3
or ECTS 6190	Instructional Technology for Career and Technical Educators	
ECTS 6350	Research in Career and Technical Education	3
ECTS 6370	Foundations of Career and Technical Studies	3
ECTS 6380	Critical Issues for the Career and Technical Educator	3
ECTS 6390	Professional Competencies in Career and Technical Studies	3

Career and Technical Education Electives (15)

A minimum of 15 units chosen from:		15
ECTS 5010	Principles and Methods for Teaching Designated Subjects	
or ECTS 6010	Principles and Methods for Teaching Designated Subjects	
ECTS 5020	Instructional Support for Teaching Designated Subjects	
or ECTS 6020	Instructional Support for Teaching Designated Subjects	
ECTS 5040	Principles of Career and Technical Education	
or ECTS 6040	Principles of Career and Technical Education	
ECTS 5090	Personnel Management in Career and Technical Programs	
or ECTS 6090	Personnel Management in Career and Technical Programs	
ECTS 5100	Field Work in Coordination and Supervision of Career and Technical Programs	
or ECTS 6100	Field Work in Coordination and Supervision of Career and Technical Programs	
ECTS 5180	Field Work in Designated Subjects	
or ECTS 6180	Field Work in Designated Subjects	
ECTS 5200	Curriculum Development for Career and Technical Programs	
or ECTS 6200	Curriculum Development for Career and Technical Programs	
ECTS 5210	Assessing Student Progress	
or ECTS 6210	Assessing Student Progress	
ECTS 5220	Directing and Managing Occupational Programs	
or ECTS 6220	Directing and Managing Occupational Programs	
ECTS 5230	Learning Theory and Instructional Research	
or ECTS 6230	Learning Theory and Instructional Research	
ECTS 5410	Topics in Career and technical Education	
or ECTS 6410	Topics in Career and technical Education	
ECTS 5421	Seminar in Designated Subjects Education	
or ECTS 6421	Seminar in Designated Subjects Education	

ECTS 5422	Seminar in Designated Subjects Education or ECTS 642 Seminar in Designated Subjects Education	
ECTS 5423	Seminar in Designated Subjects Education or ECTS 642 Seminar in Designated Subjects Education	
ECTS 5500	Engineering for Educators or ECTS 650 Engineering for Educators	
ECTS 6401	Topics in Education	
ECTS 6402	Topics in Education	
ECTS 6403	Topics in Education	
Additional Courses may be substituted with approval by adviser.		
Culminating Experience (0)		0
Total Units		33

Culminating Experience (0 units)

ECTS 6980	Comprehensive Examination	0
Total Units		0

The comprehensive examination is of an integrative nature and is designed to demonstrate the candidate's knowledge of the field of reading and literacy education. It also fulfills the Graduation Writing Requirement, so the quality of writing is also evaluated. The student may enroll in the examination no earlier than the last semester in which course work is taken. The student must have advanced to candidacy and completed a graduation check with the Office of Records, Registration and Evaluations before permission to take the examination can be granted. Students who do not receive a passing score may petition the College of Education to retake the examination or any part of it. Students who do not receive a passing score the second time must petition the Dean of Graduate Studies to retake it. The exam cannot be repeated more than twice. Approval to retake the examination may be, at any time, contingent upon completion of additional designated courses.

DRAFT 9/2019

Master of Arts in Child Development

The Master of Arts in Child Development is a 35-39-unit, evening program designed to provide students with an in-depth background in child growth and development. This program is targeted to students wishing to continue their studies at the graduate level in child development, for those currently in careers relating to children and families (e.g., early childhood education, elementary education, special education, or social service professionals), for those wishing to teach early childhood coursework at a community college, and for those who plan to pursue doctoral-level studies in related fields such as child/human development, child and family studies, developmental psychology, and clinical/counseling psychology.

The Child Development Program has offered a Masters of Arts degree since 2000. This program provides training in core areas of child development, including development of the whole child from birth through adolescence, family studies, and research design and methodology. This program has a uniquely applied focus and integrates many areas relevant to child development, such as early childhood education, special education, counseling, and social work. Students exiting this program take with them skills that are marketable under current and expected socioeconomic conditions.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A baccalaureate degree with a major in human development, child development, psychology; or with any other undergraduate major that satisfies the graduate admissions committee of the MACD program;
2. A cumulative undergraduate grade point average of at least 3.0 ("B") overall and a 3.2 minimum in the major.
3. A brief statement describing the applicant's preparation for graduate study, goals of graduate study, and professional aspirations, to be submitted to the department;
4. Three letters of recommendation, with at least two from former professors. Letters should come directly from the writers or be included in a placement file. (It is the applicant's responsibility to determine if letters have been received.);
5. Satisfaction of the following prerequisites: a. One class in Child Development. b. One class in statistics, and c. One class in research methodology.

Advancement to Candidacy

At the end of the spring semester, all first year graduate students will be evaluated to determine whether or not they will be advanced to candidacy for the Master of Arts degree. Students will be reevaluated each quarter until they are either advanced to candidacy or declassified.

To be formally advanced to candidacy, a student must, to the satisfaction of the chair of the department, have:

1. Achieved classified status;
2. Successfully completed 12 units of course work in the program and maintained a 3.0 ("B") grade point average in the course work;

3. Selected a graduate advisor to supervise the coursework relevant to the student's culminating experience;
4. Completed at least one annual evaluation demonstrating satisfactory knowledge, skills, and dispositions;
5. Satisfied the Writing Requirement for Graduate Candidacy (WRGC);
6. Filed an approved graduate program which must have the approval of the student's advisor, the department chair or the graduate program director and the Dean of Graduate Studies;

Requirements for Graduation

1. A minimum of 35 semester units of approved graduate-level work, with at least 23 semester units completed in residence at this university;
2. A grade point average of at least 3.0 ("B") in all courses taken to satisfy the Master of Arts degree, grades of "B-" (2.7) or better in each required course in the program, and grades of "C" (2.0) or better in each elective course;
3. Successful completion of the course work listed below, including a culminating experience consisting of the completion and defense of a comprehensive examination, project or thesis;
4. Completion of any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>);
5. Completion of the Program's degree requirements within seven years of admission to the program;
6. The Graduate Writing Assessment Requirement is met upon successful completion of PSYC 6640 with a grade of B- or higher;
7. Also note that students in classified status who fail to register for at least one course in the MACD program each semester will be automatically declassified. PSYC 6990-6996 Continuous Enrollment for Graduate Candidacy Standing may be taken if all mandatory coursework has been completed and another course is not taken during a given quarter.

Degree Requirements (35-39 units)

(Program Code: CHDV)

CD 5531	Understanding and Guiding Child Behavior	3
CD 5532	Best Practice with Young Children	3
CD 6614	Theories of Child Development	3
CD 6624	Advanced Developmental Neuroscience	3
CD 6648	Social-Emotional Development	3
CD 6651	Advanced Cognitive Development	3
CD 6659	Early Childhood Assessment	3
CD 6690	Families and Parenting	3
PSYC 6640	Advanced Methods in Psychological Research	3
Culminating Experience (8-12)		8-12
Total Units		35-39

Culminating Experience (8-12 units)

MACD students must demonstrate successful research participation with a faculty advisor. This requirement can be fulfilled in one of three ways:

Comprehensive Examination Option (8 units)

Students will be required to become familiar with the literature in a research area which will be related to their comprehensive examination. This could take the form of a partial literature review, an annotated bibliography and/or a presentation of the literature of interest to faculty/student groups.

CD 6122-6124	Directed Readings (2-4 units for a total of 4)	4
CD 6894	Externship in Child Development	4
CD 6980	Comprehensive Examination	0
Total Units		8

Project Option (8 units)

Students will be required to become familiar with the literature in one or more research areas and to acquire specialized knowledge of any particular methodologies needed for the development of a project.

CD 6952-6954	Advanced Independent Study (2-4 units for a total of 4)	4
CD 6964	Graduate Project	4
Total Units		8

Thesis Option (12 units)

Students will be required to become familiar with the literature in one or more research areas and to become skilled in certain specialized research methods which will pertain to their abilities to gather data for a thesis. Examples of such activities could include gathering pilot data to acquire interview skills, knowledge of survey procedures, assessment skills, advanced statistical skills, understanding of content analysis, skills to work with a special population, or advanced physiological measurement skills.

PSYC 6642	Regression and Nonparametric Statistics	4
CD 6952-6954	Advanced Independent Study (2-4 units for a total of 4)	4
CD 6974	Thesis	4
Total Units		12

Master of Arts in Communication Studies

The Master of Arts in Communication Studies is designed for students who wish to advance from this degree to further graduate work and for those wishing to apply advanced communication perspectives, methodologies, and competencies in their careers.

Admission to the Program

Applicants must fulfill all the general requirements for admission to graduate studies at this University. The department welcomes applications from international students and advises them that the Department of Communication Studies has its own requirements regarding the TOEFL (see 4. below). To be admitted to the graduate program in Communication Studies:

The applicant must send to the Graduate Admissions Office (in addition to all other required materials):

- A.
 1. Three letters of recommendation attesting to academic aptitude and accomplishments;
 2. A sample of academic or professional writing;
 3. A one-page essay describing the role the applicant sees the M.A. in Communication Studies playing in accomplishing his or her life/career goals.

Note: If the applicant wishes to be considered for a Graduate Teaching Associateship, the applicant must also submit

 1. a curriculum vitae or resume and
 2. a one-page statement of intent outlining related experience along with the other application material.
- B. The applicant must have completed the equivalent of 6-semester units of undergraduate classes in communication theory and research methods, or their equivalents
- C. The applicant must have earned an undergraduate grade point average of 3.0 overall and/or 3.0 for the last 60 semester units or 90 quarter units of undergraduate work. In exceptional cases, students with a GPA below 3.0 will be considered. Please contact the graduate coordinator.
- D. International students must have received a TOEFL score of 575 (computer-based score of 233 or internet-based score of 89) or higher.

Successful applicants are admitted to the program as conditionally classified graduate students. Advancement to classified status is conditional upon the completion of all prerequisites, as well as completion (after admission) of the following course with a grade of "B-" or higher:

COMM 6000 Introduction to Graduate Study 3

Advancement to Candidacy

1. During the first semester of enrollment, the student shall, with the consent of the faculty member chosen and the approval of the graduate coordinator, select an advisor.
2. Prior to completion of 12 units, the student and advisor shall form the student's graduate advisory committee. The committee shall consist of the advisor and two faculty members, one of whom may be from a related discipline. The committee shall function to:
 - a. approve the student's program of study;
 - b. compose and evaluate the student's comprehensive examination (if applicable); and
 - c. evaluate and approve the student's thesis or project (if applicable).

3. Upon establishing the committee, and prior to completion of 15 units, the student shall forward for the committee's approval a program of study listing coursework to be taken and the capstone experience chosen to complete the degree.
4. Upon approval of the plan by the advisory committee, the program of study shall be sent to the graduate coordinator for departmental approval resulting in advancement to candidacy.

Requirements for Graduation

1. Students must complete an approved program of 30 units with a minimum overall grade point average of 3.0 at this university.
2. Students must receive a "B-" or higher in all required courses.
3. No more than 6 units at the 4000- or 5000-level may count towards the degree. Courses at the 1000, 2000, and 3000 level may not count toward the degree.
4. No course may be counted for which a grade of "C-" or less was received.
5. The student is responsible for fulfilling all other requirements for graduation established by the Graduate Studies Office.
6. The graduate writing requirement is successful completion of COMM 6000

Degree Requirements (27-33 units)

(Program Code: COMM)

Note: Students must receive a grade of "B-" or higher in all required courses.

COMM 6000	Introduction to Graduate Study	3
COMM 6001	Theoretical Perspectives in Communication Studies	3
COMM 6002	Quantitative Research Methods in Communication Studies	3
COMM 6003	Qualitative Research Methods in Communication Studies	3
COMM 6084	Comprehensive Examination Preparation	3
	or COMM 6085 Thesis or Project Proposal	

Electives (12-15)

Twelve to Fifteen units of electives chosen with the advice and approval of the advisory committee and the graduate coordinator. Students will develop a program of study to fulfill the remaining unit requirements for the degree. The program should reflect some unifying theme. Graduate level courses among which the student may choose include:

Students cannot apply any course previously applied to another degree or track. Students may, with the approval of the advisory committee and the graduate coordinator, substitute up to six units of course work from a related discipline or disciplines.

COMM 6009	Digital Cultures
COMM 6010	Digital Methods in Communication Research
COMM 6011	Political Economy of Communication
COMM 6012	Special Topics in Film/Cinema Studies

COMM 6013	Special Topics in Gender and Communication	
COMM 6014	Special Topics in Applied Communication	
COMM 6030	Instructional Communication	
COMM 6070	Special Topics in Conflict and Conflict Resolution	
COMM 6071	Global Communication	
COMM 6075	Strategic Communication	
COMM 6088	Practicum for Beginning Teaching Associates in Communication Studies	
COMM 6089	Practicum for Advanced Teaching Associates in Communication Studies	
COMM 6090	Special Topics in Organizational Communication	
COMM 6091	Special Topics in Public Relations	
COMM 6092	Special Topics in Interpersonal Communication	
COMM 6093	Special Topics in Media Studies	
COMM 6094	Special Topics in Intercultural Communication	
COMM 6751	Internship in Communication	
COMM 6752	Internship in Communication	
COMM 6753	Internship in Communication	
COMM 6754	Internship in Communication	
COMM 6951	Graduate Independent Study	
COMM 6952	Graduate Independent Study	
COMM 6953	Graduate Independent Study	
COMM 6954	Graduate Independent Study	
Culminating Experience: (0-3)		0-3
Total Units		27-33

Graduate Associateships

A limited number of graduate associateships are available, on a competitive basis, for students who wish to pursue the degree full-time. Interested applicants should contact the graduate coordinator in the Department of Communication Studies for further information.

Culminating Experience (0-3 units)

Students will choose one of the following culminating experiences to complete their program.

Comprehensive Examination Option (0 units)

Students may, with the approval of their advisory committee and graduate coordinator, fulfill the capstone requirement through a comprehensive examination. The examination tests the student's mastery of perspectives and competencies in the core curriculum as well as those associated with the individual student's program of study. The examination will be developed and evaluated by the student's advisory committee, administered during the student's final semester in residence, and carry **no academic credit**. Students choosing this option must take 15 units of electives and register for:

COMM 6980	Comprehensive Examination	0
Total Units		0

Thesis Option (3 units)

Students may, with the approval of their advisory committee and the graduate coordinator, fulfill the capstone requirement by developing and executing an original research project designed to extend or apply our understanding of communication in important and unique ways. The

prospectus must be approved by the advisory committee, and filed with the Graduate Coordinator. The student will make a public defense of the thesis during the last semester of residence. The completed thesis must be approved by the advisory committee and the Dean of the Graduate School. Students choosing this option must take 12 units of electives and register for:

COMM 6973	Thesis	3
.Project Option (3 units)		

Students may, with the approval of their advisory committee and the graduate coordinator, fulfill the capstone requirement by developing and executing a project with a significant written component. The project shall be developed between the student and the advisor. The prospectus must be approved by the advisory committee, and filed with the Graduate Coordinator. The written component of the project must follow specified guidelines, be approved by the advisory committee, and will be presented publicly during the student's last semester in residence. The completed project must be approved by the advisory committee and the Dean of Graduate Studies. Students choosing this option must take 12 units of electives and register for:

COMM 6963	Graduate Project	3
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Master of Arts in Criminal Justice

The Master of Arts in Criminal Justice is designed to serve the growing number of individuals in the criminal justice system who desire postbaccalaureate education, as well as those in more traditional public and private employment who may wish to acquire further education in criminal justice.

The degree program offers two options for the culminating experience. 1) The thesis option is designed for students who intend to pursue graduate studies beyond the M.A. level and those students who have special research interests in the criminal justice system. 2) The comprehensive examination option is for those with administrative and management goals.

The program can serve a variety of student interests. It has been designed with a limited prerequisite requirement to enable students with baccalaureate degrees in related fields such as psychology, administration, anthropology, sociology or social sciences to enroll along with students with undergraduate degrees in criminal justice.

Admission to the Program

The Graduate Committee cannot act on applications until they have been reviewed by the Office of Graduate Admissions, and have met university admissions requirements. Check the Criminal Justice Department website for application deadlines. Applications will be evaluated on a competitive basis and enrollment is limited.

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A baccalaureate degree from an accredited college or university;
2. Completion of an undergraduate major in criminal justice, criminology, sociology, or in an allied field such as psychology, administration, or another social science, or recommendation for admission to the program by the Graduate Admissions Committee. Competence in the following prerequisite areas: criminological theory, law enforcement, institutional and community corrections, research methods and statistics is expected;
3. A minimum undergraduate grade point average of at least 3.0 overall and 3.0 ("B") in the major;
4. Submission of any available GRE scores, in the event the applicant feels that such scores would enhance their chances of admission. Submission of such scores is not mandatory;
5. Submission to the criminal justice program of three letters of recommendation from individuals who are familiar with the student's academic work and potential to complete the program successfully. Letters must come directly from the writer or be included in a placement file, and will be evaluated by criminal justice faculty members.
6. A brief statement of purpose describing the applicant's preparation for graduate study & professional goals.

Advancement to Candidacy

To be advanced to candidacy, a student must have:

1. Achieved classified standing;
2. Completed all required course work except Thesis or Comprehensive Examination;
3. Completed all course work taken before advancement to candidacy with a minimum grade point average of 3.0 ("B"). Completed all course work with no more than one course with a grade as low as "C." If a second such grade is earned, the student will be dismissed from the program, but may petition the graduate admission committee for readmission. After reviewing the petition, the committee may allow readmission under such conditions as it deems appropriate. A third grade of "C" or lower will result in permanent dismissal from the program with no recourse to petition;
4. For the thesis culminating experience: made arrangements for three faculty members, in consultation with the Criminal Justice Graduate Coordinator, to serve as the student's graduate advisory committee, with one member designated to chair the committee;
5. Completed a formal Program Plan of graduate studies with the Criminal Justice Graduate Coordinator. This should be done after the completion of 15 units of approved graduate level course work;
6. Petitioned the graduate committee, during the quarter in which all course work is to be completed, for formal advancement.

The graduate committee will then consider the student's scholastic performance and other circumstances and either grant advancement to candidacy, specify necessary preparatory studies, or recommend other courses of action.

Requirements for Graduation

1. A minimum of 34 units of acceptable graduate level work, with at least 24 semester units completed in residence at this university;
2. Completion of course work and an acceptable thesis and final oral defense, or
Completion of course work and registration in and completion of the comprehensive examination with a grade of credit;
3. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>);
4. The graduation writing requirement is met upon successful completion of the thesis or comprehensive examination.

Degree Requirements (34 units)

Program Code: CJUM

CJUS 6604	Advanced Techniques of Basic and Applied Research in Criminal Justice	3
CJUS 6605	Proseminar in Criminal Justice	3
CJUS 6606	Statistical Analysis in Criminal Justice	3
CJUS 6607	Applying Criminological Theory to Criminal Justice	3
CJUS 6631	Seminar in Corrections	3
or CJUS 6632	Seminar in Policing	
CJUS 6641	Planning and Evaluation in Criminal Justice	3
CJUS 6686	Graduate Review in Criminal Justice	1
Nine units of electives (with no more than 3 units at the 5000-level) to be chosen in consultation with an advisor from:		9
CJUS 5550	Intelligence & Crime Analysis 2	
CJUS 5554	Terrorism	

CJUS 5555	Homeland Security	
CJUS 5556	Transnational Organized Crime	
CJUS 5570	Crime in Public Spaces	
CJUS 5580	Juvenile Justice	
CJUS 5585	Life Course Criminality	
CJUS 6608	Crime, Criminals and Victims	
CJUS 6629	Minorities in the Criminal Justice System	
CJUS 6630	Legal Issues in Criminal Justice	
CJUS 6631	Seminar in Corrections	
CJUS 6632	Seminar in Policing	
CJUS 6640	Justice Policy and Administration	
CJUS 6653	Directed Area Studies in Criminal Justice	

Other courses may be allowed with consent of department.

Culminating Experience (6)	6
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Note: Students selecting the Comprehensive Exam Culminating Experience must take six additional elective units with no more than three additional units at the 5000-level

Total Units	34
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Culminating Experience (6 units)

Thesis Option (6)

CJUS 6971	Thesis I	3
CJUS 6972	Thesis II	3

Total Units	6
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Comprehensive Exam Option (6 units)

Six units of electives (with no more than three additional units at the 5000-level) to be chosen in consultation with an advisor	6
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CJUS 6980	Comprehensive Examination	0
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Total Units	6
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DRAFT 9/2019

Master of Arts in Education

The Master of Arts in Education degree program engages students in an advanced study of teaching, learning, assessment, and curriculum development. Principles of social justice serve as a back drop for examining each of the above four domains of knowledge within the context of being productive educators serving a diverse population of students. The program is designed for K-12 educators and credential students to earn a master's degree that is relevant to producing effective classroom teachers and teacher leaders.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. completion of a four-year college course of study and hold an acceptable baccalaureate with a grade point average of at least 2.5
2. good academic standing at the last college or university attended;
3. submission of three letters of recommendation from established educators who can judge your competence to succeed in a rigorous graduate program;
4. submission of a statement of purpose of no more than 150 words including the applicant's personal goals for the graduate education program.

Students who do not meet these criteria may be admitted as conditionally classified graduate students. Change to classified standing can be made only with approval of the College of Education. No more than 15 semester units may be used to demonstrate fitness to complete the program.

Advancement to Candidacy

In order to be advanced to candidacy, a student must have:

1. Achieved classified standing;
2. Met Writing Requirement for Graduate Candidacy
3. Completed, with a grade point average of 3.0 ("B"), at least 12 semester units of applicable coursework in graduate standing, at least 9 of which must have been on this campus and approved by an advisor in the College of Education:
Note: Between the time of completing 9 units and 12 units of applicable course work, the student is required to apply for advancement to candidacy
4. Filed an approved graduate program for completion of the degree. This must be prepared in consultation with a program advisor from the Department of Teacher Education and Foundations.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable graduate level work, with at least 24 completed in residence at this university;
2. An overall grade point average of 3.0 ("B") for the program, and grades of "C" (2.0) or better in each course taken to satisfy the MAT degree requirements;
3. Successful completion of Core courses, and successful completion of requirements in Track A (Thesis/Project option) or Track B (Comprehensive examination option).

4. The program plan may not include more than 9 semester units in approved extension and transfer courses from other colleges. CSUSB will not consider for transfer credit course work from an institution which will not accept that work in its own advanced degree program.
5. Students who take the Comprehensive Examination i.e., EMAT 6980 will also take EMAT 6017. Students may take the examination only twice;
6. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Degree Requirements (30 units)

Core courses (18)

EMAT 5100	Technology and Instructional Practices for Educators	1
EMAT 5101	Education, Diversity and Social Justice	3
EMAT 6012	Advanced Teaching Methods	3
EMAT 6013	Educational Research: Inquiry into Classrooms	3
EMAT 6014	Assessment and Instructional Differentiation	3
EMAT 6018	Advanced Seminar	2
EMAT 6020	Seminar in Professional Development	3

ELECTIVES (9)

6 units chosen from		6
EMAT 6011	Advanced Study in Literacy across the Curriculum	
EMAT 6015	Leadership in Elementary Education	
Choose one of the following:		3
EDMS 5104	Mathematics Teaching and Learning	
EDMS 5105	Science Teaching and Learning	
EDMS 5106A	Social Studies and the Arts Teaching and Learning	
EDMS 5106B	Social Studies and the Arts Teaching and Learning in Bilingual Settings	

Culminating Experience (3)

Choose one, Option A or Option B, listed below:		3
Total Units		30

Culminating Experience (3 units)

Select one of the following:

Option A - Project or Thesis

EMAT 6960	Culminating Experience: Project	3
or EMAT 6970	Culminating Experience: Thesis	
Total Units		3

Option B - Comprehensive Examination

EMAT 6017	Advanced Educational Psychology	3
EMAT 6980	Comprehensive Examination	0
Total Units		3

Master of Arts in Educational Administration

The Master of Arts in Educational Administration has two areas of concentration: TK - 12 and Community College/Higher Education.

The TK-12 specialization prepares candidates to effectively lead educational organizations TK-12. Candidates enroll in coursework that is aligned with the CTC CAPEs and complete 120 hours of administrative fieldwork. The preliminary administrative services credential program is integrated in with the MA.

The Community College/Higher Education specialization focuses on preparing professionals in the local area opportunities to advance in their careers and take on leadership roles in their institutions of higher learning.

In addition to core and elective courses, Master's students take a research course and complete the requirements with either a thesis or a comprehensive exam.

Admission to the Program

In addition to the general requirements of the university for admission as a postbaccalaureate student, specific requirements for admission to the Master of Arts in Educational Administration are:

1. An application for admission to the program must be submitted;
2. A cumulative grade point average of 3.0 ("B") in all courses;
3. Completion of or plan to satisfy the graduate entrance writing requirement.
4. Submission of a 2-page essay from the provided prompt.
5. TK-12 candidates also need:
 - a. Verification of minimum of four years of documented full-time teaching, counseling, library or nursing experience in a school setting under a valid credential; substitute teaching does not apply;
 - b. Valid California teaching, pupil personnel, library, health services credential or full-time designated subject credential (with B.A.);
 - c. Successful completion of the California Basic Educational Skills Test (CBEST).
6. Community College/Higher Education candidates also need:
 - a. Verification of at least three years of professional experience in a community college or other higher education institution.
 - b. Verification of completion of B.A. or B. S. degree.

Students who do not meet all these criteria may be admitted as conditionally classified graduate students. Students admitted in this category may be changed to classified standing with approval of the College of Education. Normally, a student is expected to be working concurrently on the administrative services preliminary credential in the TK-12 specialization.

Advancement to Candidacy

In order to be formally advanced to candidacy, a student must have:

1. Achieved classified graduate standing;
2. Completed coursework with a grade point average of 3.0 ("B") overall.
3. Submitted a program plan;
4. Filed an approved graduate program check for completion of the degree. This must be prepared in consultation with an advisor in the College of Education and approved by the Dean of the College of Education and the Dean of Graduate Studies.

Requirements for Graduation

1. A minimum of 34 semester units of acceptable work with 24 completed in residence at this university;
2. A grade point average of 3.0 ("B") in course work taken to satisfy the Master of Arts degree requirements and grades of "C" (2.0) or better in all courses in the program;
3. Successful completion of the Comprehensive Evaluation in Educational Administration (EADM 6692 and pass the EADM 6980 Comprehensive Exam or Master's Thesis in Educational Administration (EADM 6973).
4. The Graduate Writing Assessment Requirement is met through completion of EDUC 306/495 writing course at CSUSB and get a waiver (if over 7 years); Submit professional paper that meets writing rubrics; Complete prior research class with grade no lower than B and attend graduate writing center if necessary.
5. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Degree Requirements (33-34 units)

Core Courses

EADM 6601	Educational Leadership and Ethics	3
EADM 6602	Research Methods in Educational Administration	3
EADM 6607	Culture, Equity, and Communication in Diverse Society	3
EADM 6613	Organizational Management and Human Resources	3

Students must select one of the following options: 18-19

Option A: TK-12 (19 units)

Thirteen units chosen from:

EADM 6610	Educational Supervision and Teacher Development	
EADM 6619	Policy, Governance and Legal Aspects of Education	
EADM 6622	Curriculum, Programs, and Assessment	
EADM 6625	Organizational Management and Fiscal Resources	

Option A: TK-12 Fieldwork

Six units chosen from:

EADM 6620 & EADM 6621	Fieldwork in Educational Administration I and Fieldwork in Educational Administration II	
EADM 6630 & EADM 6631	Internship Fieldwork in Educational Administration I and Internship Fieldwork in Educational Administration II	

Option B: Community College/Higher Education (18 units)

Eighteen units chosen from:

EADM 6632	History and Philosophy of Community College/ Higher Education
EADM 6633	Policy and Governance in Community College/ Higher Education
EADM 6634	Program Assessment and Evaluation in Community College/Higher Education
EADM 6635	Finance in Community College/Higher Education
EADM 6636	Special Topics in Higher Education
EADM 6637	Community College/Higher Education Field Project

Culminating Experience (3)

Students must choose either Comprehensive Examination or Thesis	3
Total Units	33-34

Culminating Experience (3 units)

Comprehensive Exam Option (3 units)

EADM 6692	Comprehensive Evaluation in Educational Administration	3
EADM 6980	Comprehensive Examination in Education Administration	0
Total Units		3

Thesis Option (3 units)

EADM 6973	Masters Thesis in Educational Administration	3
Total Units		3

DRAFT 9/2019

Master of Arts in English and Writing Studies

The Master of Arts in English and Writing Studies is designed for students interested in pursuing advanced studies in the related fields of applied linguistics and teaching English as a second language, literature, composition and rhetoric, as well as English pedagogy and public and professional writing.

With its firm grounding in theory, research, and pedagogy, the M. A. in English and Writing Studies prepares students to excel both as professional writers and teachers of writing, literature, and English as a second language. The mission of the graduate program is to engage students in an exploration of how written and spoken texts work rhetorically and stylistically, as well as how historical, cultural, and social conditions affect the ways in which speakers, writers, and readers construct meaning. In addition, the program provides students with a strong foundation for a Ph.D. degree. The M. A. enables students, whatever their career path, to become socially committed, rhetorically flexible scholars, teachers and writers, well-prepared to make significant contributions in their chosen fields and communities, both local and global.

The Graduate Committee, under the leadership of the coordinator, has general supervision of the program and the work of students. Students are required to consult regularly with the Graduate Coordinator for advising. Petitions for waiver of requirements must be approved by the Graduate Coordinator and the Dean of Graduate Studies when appropriate.

Admission to the Program

The Graduate Committee cannot act on applications until they have been reviewed by the Office of Admissions and Student Recruitment and have met university admissions requirements. Please check the MA in English and Writing Studies website and/or the office of Graduate Studies for the specific schedule of application due dates for each year. The program admits students in both Fall and Spring semesters.

A student who meets all entrance requirements except one or more course prerequisites or the minimum grade requirements may be admitted to the program as a conditionally classified graduate student. Conditionally classified students must fulfill certain conditions (such as taking or retaking prerequisite courses) within a specified period of time. Prerequisite courses cannot be counted toward the units required for the master's degree.

The specific requirements for admission as a classified graduate student in the English Department are:

1. A grade point average of 3.0 ("B") in all undergraduate upper-division courses;
2. Applicants who do not possess a bachelor's degree from a postsecondary institution in a country where English is the principal language of instruction must receive a minimum score of 575 (computer-based score of 233 or internet-based score of 90) on the Test of English as a Foreign Language (TOEFL); or receive a minimum score of 6.5 on the International English Language Testing System (IELTS);
3. Three letters of recommendation supporting the student's application. Letters should be from people able to make relevant comments on the student's likely success in English and Writing Studies with

a Concentration in Composition and Rhetoric; Literature; Applied Linguistics and Teaching English as a Second Language; Pedagogy; or Public and Professional Writing, and on the student's competence in speaking and writing English;

4. A one-page, typed statement of purpose briefly explaining the student's reasons (i.e. career objectives and research interests) for pursuing a graduate degree in English and Writing Studies with a Concentration in Composition and Rhetoric; Literature; Applied Linguistics and Teaching English as a Second Language; Pedagogy; or Public and Professional Writing;
5. One writing sample (5-10 pages) that reflects the student's ability to write in edited English a balanced, well-reasoned argument or a clear, coherent presentation of information, such as a college term paper or a work-related report.
6. The M.A. in English and Writing Studies welcomes all applicants regardless of previous field of study or work. To ensure students are prepared for the rigor of graduate work in English and Writing Studies, students may be admitted "conditionally." Students with a B.A. in English, but a major GPA below 3.0, or those who do not have an undergraduate degree in a relevant field—Linguistics, Literature, Rhetoric/Composition, TESOL, Writing Studies—may take **prerequisite** coursework to prepare them for the program.

Prerequisites

Only those students who are admitted conditionally classified need to take prerequisites. We determine needed prerequisite courses on an individual basis in light of prior academic and professional experience. The following chart lists those courses typically expected of incoming graduate students according to their prospective concentration:

Applied Linguistics and Teaching English as a Second

Language: B.A. in Linguistics/English or coursework relevant to the field, such as coursework in introductory linguistics, grammar, and language acquisition.

Composition and Rhetoric: B.A. in Rhetoric/English, or Writing Studies, or coursework relevant to the field, such as coursework in rhetoric, composition & writing studies (including writing tutoring), and literary theory.

Literature: B.A. in English/Literature or coursework relevant to the field, such as coursework in literary analysis, literary history, and literary theory.

Pedagogy: B.A. in English/Literature, Linguistics/English, Rhetoric/English, or Writing Studies, or coursework relevant to the field, such as coursework in introductory linguistics, grammar, and language acquisition, literary analysis, literary history, literary theory, rhetoric and composition & writing studies (including writing tutoring).

Public and Professional Writing: B.A. in Creative Writing, English/Literature, Linguistics/English, Rhetoric/English, or Writing Studies or coursework in creative writing, introductory linguistics, grammar, and language acquisition, literary analysis, literary history, literary theory, rhetoric and composition & writing studies (including writing tutoring).

Advancement to Candidacy

To be advanced to candidacy, the student must have:

1. Achieved classified status;
2. Completed at least 9 units of coursework required by the program with a grade point average of at least 3.0 ("B");
3. Filed a program plan approved by the Graduate Coordinator.

Requirements for Graduation

1. A minimum of 31 semester units of acceptable graduate-level work in the formal program, with no fewer than 22 units completed at this university and with at least 22 units gained from 6000-level courses in English. Students must gain approval in advance from the Graduate Coordinator to count 3000-, 4000- or 5000-level courses as electives;
2. Advancement to candidacy;
3. A grade point average of at least 3.0 ("B") in all graduate course work and research fulfilling the requirements of the student's concentration, and grades of "C" (2.0) or better in all courses in the program;
4. For students in all concentrations, demonstrated minimal competence in a language other than English at the level of a foreign language 103 course given by the Department of World Languages and Literatures. Can be fulfilled by one of the following, but note that courses taken to fulfill the language requirement cannot be applied toward any graduate degree unit requirements:
 - a. One year of college course work (with a grade of A, B, C, or CR) studying a language other than English,
 - b. Passage of a language competency exam in a language other than English at a level of Intermediate (ACTFL Stage 2) or above or equivalent,
5. The graduation writing requirement is met upon successful completion of the thesis or comprehensive examination;
6. The program must be completed within a seven-year period. No more than seven years may elapse between the time of registration for the earliest course listed on the program and the completion of all requirements for the degree. Students who have taken any required or elective course that expires because it exceeds this seven-year limitation will be required to retake the course or its equivalent as designated by the Graduate Coordinator, regardless of the grade originally earned. Petitions to waive this requirement will not be approved.

Note: Students interested in pursuing dual concentrations should contact the Graduate Coordinator about dual concentration requirements.

Degree Requirements (30 units)

Before enrolling in courses, students should consult the course descriptions for course prerequisites.

ENG 6000	Critical Approaches to Literature	3
ENG 6090	Cultures of Research in English & Writing Studies	3
ENG 6120	Contemporary Composition and Discourse Theory	3
ENG 6150	Discourse, Cognition, and Society	3
ENG 6620	Sites of Praxis	3
Culminating Experience (3)		3
Concentration (12)		
Students must satisfy the requirements of one of the concentrations listed below		12
<hr/>		
Total Units		30

Culminating Experience (3 units)

Students select either the Thesis Option or the Comprehensive Examination Option. Successful completion of either option satisfies the graduation writing requirement.

Thesis Option

ENG 6973 Thesis 3

Students electing the Thesis option must select from among two thesis project models (A or B) and are required to complete a thesis project appropriate to their concentration: applied linguistics and teaching English as a second language; composition and rhetoric; literature; pedagogy; or public and professional writing. Dual concentration students must devise a thesis project relevant to both concentrations. Students in the Public and Professional Writing Concentration must choose the thesis option.

A. Traditional Thesis

The first thesis model option is a traditional thesis: an independent project that demonstrates mastery of both the subject matter and the written discourse of the discipline and results in an original manuscript of approximately 60 pre-formatted pages plus bibliography.

To pursue this option, students develop an acceptable thesis project and prepare a proposal in accordance with program guidelines, consisting of a 1000-word proposal and an annotated bibliography.

To develop a thesis proposal for this project and obtain approval of it, students carry out the following steps:

1. Gain the support of a committee of two English Department faculty members (the thesis reading committee) and acquire a letter of endorsement in support of the proposal;
2. Submit the Thesis Proposal and letter of endorsement to the coordinator of the student's concentration(s) for approval. Upon consultation with the sponsoring readers, the coordinator(s) will approve the proposal or refer it to the graduate committee for consideration. Students are responsible for revisions when necessary.

The student will then be given a permit to add ENG 6973 to complete the thesis. After completion of the thesis the student will present their work at a department colloquium.

B. Professional Paper

The second thesis model option is a professional paper that demonstrates mastery of both the subject matter and the written discourse of the discipline and results in an original manuscript of approximately 30 pre-formatted pages plus bibliography. Depending on the student's chosen concentration and project, this professional paper will take the form of one of the following:

1. Academic Journal Article
2. Scholarship of Teaching and Learning Article
3. Policy Paper
4. Creative or Performance Piece

To pursue this option, students develop an acceptable thesis project from work begun in one of the M.A. program seminar classes and prepare a 1000-word thesis proposal that: a) announces the article project and

purpose and explains how the work contributes to the field; b) identifies an appropriate professional venue to which this work might be submitted.

To develop a thesis proposal for this project and obtain approval of it, students carry out the following steps:

1. Gain the support of a committee of two English Department faculty members (the thesis reading committee) and acquire a letter of endorsement in support of the proposal;
2. Submit the Thesis Proposal and letter of endorsement to the coordinator of the student's concentration(s) for approval. Upon consultation with the sponsoring readers, the coordinator(s) will approve the proposal or refer it to the graduate committee for consideration. Students are responsible for revisions when necessary.

The student will then be given a permit to add ENG 6973 to complete the thesis. After completion of the thesis the student will present his or her work at a department colloquium.

Comprehensive Examination Option

ENG 6983 Comprehensive Exam Preparation and Completion 3

Students electing the Comprehensive Examination Option must take the examination no earlier than in the last quarter of program coursework. There is no comprehensive exam option for the Public and Professional Writing Concentration.

Students must declare their intent to take the examination at least one quarter in advance and register for ENG 6983. The comprehensive examination is offered once yearly, in spring semester.

The reading committees for the comprehensive examination in each concentration will be established annually by the graduate program, and will consist of two English Department faculty members and the graduate coordinator or associate coordinator responsible for each concentration.

The comprehensive examination addresses both the program's core curriculum and the student's concentration. The examination will be graded pass/fail. No student will be permitted to take the comprehensive examination more than twice. Candidates who re-take the examination must do so within one calendar year.

Concentrations (12 units)

Applied Linguistics and Teaching English as a Second Language (TESL) Concentration (12 units)

(Program Code: ENAL)

If Applied Linguistics and TESL concentration students have completed ENG 5230 and ENG 5240 with grades of "C" or better in their B.A. degree, they must take six units of graduate-level English electives, approved in advance by the Graduate Coordinator, in lieu of ENG 5230 and ENG 5240 in the M.A. program.

Before enrolling in courses, students should consult the course descriptions for course prerequisites.

ENG 6190	Multilingualism and Second Language Acquisition	3
ENG 6260	TESL Methods	3
Choose three units from:		3

ENG 5230	Grammar and Discourse	
ENG 5240	Sociolinguistics	
ENG 5260	English Phonetics and Phonology	
ENG 6050	Special Topics in Applied Linguistics & TESL	
One 3-unit course from another concentration in the M.A. program.		3
Total Units		12

Composition and Rhetoric Concentration (12 units)

(Program Code: ENGC)

Before enrolling in courses, students should consult the course descriptions for course prerequisites.

ENG 6330	Seminar in Rhetorics	3
or ENG 6340	Seminar in Literacy Studies	
ENG 6580	Multimodal Writing and the Public Sphere	3
Choose three units from:		3
ENG 6300	Writing Center Studies	
ENG 6600	Approaches to Teaching Writing	
ENG 6310	Seminar in Public and Professional Discourses	
ENG 6570	Seminar in Teaching Writing	
One 3-unit course from another concentration in the M.A. program.		3
Total Units		12

Literature Concentration (12 units)

(Program Code: ENGL)

Before enrolling in courses, students should consult the course descriptions for course prerequisites.

Choose six units from:		6
ENG 6010	Seminar in a Literary Period	
ENG 6020	Seminar in a Literary Genre	
ENG 6030	Seminar in a Literary Theory	
ENG 6510	Seminar in a Literary Topic	
Choose three units from:		3
ENG 5120	Literary and Cultural Criticism in the Public Sphere	
ENG 6590	Approaches to Teaching College-Level English Literature	
ENG 6210	Approaches to Teaching Imaginative Writing	
One 3-unit course from another concentration in the M.A. program.		3
Total Units		12

Pedagogy Concentration (12 units)

(Program Code: ENGP)

Before enrolling in courses, students should consult the course descriptions for course prerequisites.

Choose 12 units from:		12
ENG 6600	Approaches to Teaching Writing	
ENG 6190	Multilingualism and Second Language Acquisition	
ENG 6590	Approaches to Teaching College-Level English Literature	
ENG 6300	Writing Center Studies	

ENG 6260	TESL Methods	
ENG 6210	Approaches to Teaching Imaginative Writing	
Total Units		12

Public and Professional Writing Concentration (12 units)

(Program Code: ENGW)

Before enrolling in courses, students should consult the course descriptions for course prerequisites.

ENG 6580	Multimodal Writing and the Public Sphere	3
Choose nine units from:		9
ENG 5120	Literary and Cultural Criticism in the Public Sphere	
ENG 5230	Grammar and Discourse	
ENG 5240	Sociolinguistics	
ENG 5300	Creative Nonfiction	
ENG 6310	Seminar in Public and Professional Discourses	
ENG 6330	Seminar in Rhetorics	
ENG 6340	Seminar in Literacy Studies	
Total Units		12

DRAFT 9/2019

Master of Arts in History

The MA in History at California State University, San Bernardino offers students the opportunity to further their study of history in an innovative, active, and rigorous program. It is intended to train future historians and promote the professional, career, and personal goals of its student population. It is designed to provide students a comprehensive understanding of the historical origins of the contemporary and increasingly globalized world. Aspiring historians, current social studies teachers, and professionals that want to immerse themselves in the study of history will acquire a sophisticated understanding of current historical practice. The MA in History offers students the opportunity to go substantially beyond their undergraduate coursework, obtain advanced research, critical analysis, and writing skills, and gain a comprehensive and global understanding of the history profession.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A baccalaureate degree in history or closely related field from an accredited college or university. The baccalaureate degree must have included at least six upper-division courses in history;
2. A minimum cumulative undergraduate grade point average of at least 2.5 overall and at least 3.0 ("B") in the student's undergraduate major. In addition, applications must have obtained an overall 3.0 GPA or higher in upper-division history courses, or a bachelor's degree with 18 units of upper-division courses in history. These courses must be comparable to those required of a major in history at this University.
3. A brief statement (one to two double-spaced typewritten pages) describing the applicant's preparation for graduate study and professional goals;
4. A writing sample (at least 10 pages but not to exceed 25 pages) that demonstrates the applicant's ability to write analytical prose, to construct a reasoned argument based upon evidence, and to create a context for assessing the significance of what has been presented.
5. Three letters of recommendation, with at least two from former professors. Letters should come directly from the recommenders or be included in a placement file. It is the applicant's responsibility to determine if letters have been received. It is assumed that students who request confidential letters to be submitted on their behalf have waived their right to view those letters as per FERPA (1974) requirements to maximize the confidentiality and integrity of the letters of reference. Applicants who do not wish to waive their right to view those letters are responsible for letting their letter-writers know in advance that they retain their right to view meet the letters.

Advancement to Candidacy

In order to be formally advanced to candidacy, a student must have:

1. Achieved classified status;
2. Secured a graduate advisor to supervise the course of study and a second faculty member for their advisory committee;
3. Completed the three core courses (9 units) of graduate course work and achieved a minimum grade point average of 3.0 ("B") in those courses;

4. Satisfied the Graduate Writing Requirement with completion of at least one paper in the program that satisfies the program-specific Graduate Writing Requirement (GWR) rubric at the "meets expectations" or "exceeds expectations" level (see Graduate Coordinator for more information).
5. Filed a graduate program plan approved by the student's advisor and the coordinator of the program;
6. Students who choose the thesis or project option must have filed a thesis or project proposal approved by all members of the student's graduate advisory committee.

Requirements for Graduation

1. Completion of a minimum of 30 semester units of acceptable graduate-level course work, with at least 23 units completed in residence at this university, at least 21 units must be at the 5000-6000 level;
2. A grade point average of at least 3.0 ("B") in all courses taken as part of the program, and grades of "C" (2.0) or better in all courses in the program. Grades of "C-" (1.7) or less cannot be used toward the degree. Courses taken to fulfill undergraduate deficiencies do not count toward graduate program requirements;
3. Satisfy the Graduate Writing Requirement with completion of at least one paper in the program that satisfies the program-specific Graduate Writing Requirement (GWR) rubric at the "meets expectations" or "exceeds expectations" level (see Graduate Coordinator for more information);
4. Successful completion of a culminating project (thesis, project, or portfolio). The project or thesis may include an oral defense;
5. The program of study must not include more than six units of independent study course work, excluding the units allowed for thesis or project.
6. Any additional requirements not cited above and listed in Graduate Degree and Program Requirements. (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>)

Degree Requirements (30 units)

(Program code)

Required Core Courses (9)

HIST 6001	Historical Thinking and Research	3
HIST 6002	Topics in Global/World History	3
HIST 6003	Topics in United States History	3

Elective Courses (15)

Electives must include fifteen units in advisor-approved graduate-level content courses, a minimum of two (6 units) of which must be in history. 15

Cultural Skills Requirement (3)

In consultation with the Graduate Coordinator, students must complete a cultural skills requirement, which may be fulfilled in a variety of ways: 1) an examination on reading ability in a foreign language; 2) completion of a Study Abroad Program or other overseas program with a similar academic focus; 3) completion of an approved internship that fulfills the cultural skills requirement. 3

Culminating Project (3)

Total Units 30

Culminating Project (3 units)

Students choose one of the following culminating project options: 3

HIST 6970 Thesis

An M.A. thesis is a research project that is based on primary evidence and demonstrates a student's mastery of historical research methods. It should present an original argument and contribute to the field. The thesis must be approved by the student's MA committee made up of two full-time faculty members.

HIST 6960 Graduate Project

The M.A. project is a cumulative project that is more practically based than the thesis option, that demonstrates historical research methods and contributes to the field. It must follow graduate manuscript guidelines and format requirements and be approved by the student's MA committee made up of two full-time faculty members.

HIST 6940 Graduate Portfolio

The portfolio is a capstone project in lieu of the thesis or project that includes at least four academic writing samples made up of: 1) one historiographical essay written in one of the core 6000-level courses; and 2) one research essay based on primary sources and 25-35 pages in length, written with the goal of publication; 3) two historiographical essays written as part of take-home comprehensive examinations written in their final semester; and 4) a current resume or curriculum vitae. Students may also include a cultural skills reflection report if applicable. The portfolio will be evaluated by the student's MA committee made up of two full-time faculty members.

Total Units 3

DRAFT 9/2019

Master of Arts in Instructional Design Technology

Pending CO Approval

The M.A. in Instructional Design & Technology is designed to meet the needs of technology professionals in schools and other education related settings as well as business settings. The primary mission of the M.A. in IDT program is to prepare professionals to improve learning and performance, with effective use of technology, employing a systematic and systemic instructional design process. This program values ethical, life-long, independent, and collaborative learning. It promotes social justice, respects diverse perspectives, and fosters leadership for change. This program uses hands-on and student-centered approaches.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to "classified" graduate status are:

1. A cumulative grade point average of 3.0 ("B") in all upper-division courses; and
2. Three letters of recommendation, from individuals familiar with the applicant's work history or educational background, using a program approved template of the letters of recommendation.

Students who do not meet these criteria may be admitted as "conditionally classified" graduate students. Students admitted in this category may be changed to classified standing with approval from the College of Education. No more than 15 semester units may be used to demonstrate fitness to complete the program.

Advancement to Candidacy

In order to be advanced to candidacy, a student must have:

1. Achieved classified standing;
2. Met Writing Requirement for Graduate Candidacy;
3. Completed with a grade point average of 3.0 ("B"), at least 15 semester units of applicable course work in graduate standing, at least 12 of which have been taken at this campus and approved by an advisor in the College of Education;
4. Between the time of completing 12 units and 15 units of applicable course work, the student is required to apply for advancement to candidacy.
5. Satisfactorily completed ETEC 5000, ETEC 5430, ETEC 5440, and ETEC 6430;
6. Filed an official document titled Instructional Design and Technology "Graduate Approved Program Plan." This must be approved by the student's advisor and the graduate coordinator of the program.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable graduate-level work, with a minimum of 21 completed in residence at this university;
2. A grade point average of 3.0 ("B") and grades of "C" (2.0) or better in course work taken to satisfy the Master of Arts degree requirements;

3. Successful completion of comprehensive examination or a master's degree project.

a. Comprehensive Examination

The written comprehensive examination is designed to test the student's knowledge in the field of Instructional Design and Technology. Before taking the comprehensive examination, students are required to attend their e-portfolio defense and successfully pass the defense.

For the exam preparation, students are required to take ETEC 6850. Students must take ETEC 6980 to take the comprehensive examination with permission from the program coordinator. Students may not take the examination more than three times.

b. MA Project

The purpose of the project is for the student to communicate ideas gained in research, experimentation and creative endeavors. A project will be planned in consultation with the student's first and second readers. The project proposal must be approved by the student's both readers, at least one of whom must be from the College of Education. The project also must be approved by the first and second readers and submitted in the approved format. The project can be reported in the form of a paper and/or other media. Both media and non-media projects require a final written report.

4. Graduate students are required to complete the Graduate Writing Assessment Requirement before being classified or advanced to candidacy. There are three options a student can choose from to meet the writing requirement.

a. The student completes ETEC 5200 or ETEC 5423 and attains a grade of B or better.

b. The student scores an acceptable standardized test score (WRE or GRE).

c. The student submits a paper(s) that will receive a passing score according to the approved rubric (http://coe.csusb.edu/sites/default/files/PaperEvaluationCriteria_WritingRequirement.pdf)

5. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>) website.

The program may not include more than 9 semester units in approved extension and transfer courses from other colleges. California State University, San Bernardino will not consider for transfer credit course work from an institution which will not accept that work in its own advanced degree program.

Degree Requirements (30 units)

(Program Code: ETEC)

Required Courses (18)

ETEC 5000	Foundations in Instructional Design & Technology	3
ETEC 5430	Research in Instructional Design & Technology I	3
ETEC 5440	Instructional Design I	3
ETEC 6430	Research in Instructional Design & Technology II	3
ETEC 6440	Instructional Design II	3
ETEC 6920	Practicum in Instructional Design and Technology	3

Electives (9)

Nine units chosen from:

9

ETEC 5010	Foundations of e-Learning	
ETEC 5410	E-Learning Design and Development	
ETEC 5423	Seminar in Instructional Design & Technology	
ETEC 5460	Technology Integration in The Classroom	
ETEC 6480	E-Learning Delivery and Evaluation	
ETEC 6550	Multimedia Production with Emerging Instructional Technologies	
ETEC 6740	E-Learning Technology and Media	
Culminating Experience (3)		3
Total Units		30

Culminating Experience (3 units)

Successful completion of comprehensive examination or a master's degree project.

Comprehensive Examination Option (3 units)

ETEC 6850	ePortfolio & Comprehensive Exam Preparation	3
ETEC 6980	Comprehensive Examination	0
Total Units		3

The written comprehensive examination is designed to test the student's knowledge in the field of Instructional Design and Technology. Before taking the comprehensive examination, students are required to attend their e-portfolio defense and successfully pass the defense.

For the exam preparation, students are required to take ETEC 6850. Students must take ETEC 6980 to take the comprehensive examination with permission from the program coordinator. Students may not take the examination more than three times.

Project Option (3 units)

ETEC 6963	Masters Degree Project	3
Total Units		3

The purpose of the project is for the student to communicate ideas gained in research, experimentation and creative endeavors. All projects will be planned in consultation with the student's first and second readers. The project proposal must be approved by the student's both readers, at least one of whom must be from the College of Education. The project also must be approved by the first and second readers and submitted in the approved format. The project can be reported in the form of a paper and/or other media. Both media and non-media projects require a final written report.

Master of Arts in Interdisciplinary Studies

Occasionally a student wishes to pursue special interests or career goals that are not met by existing graduate programs. For this student, the Master of Arts in Interdisciplinary Studies offers the opportunity to create a unique master's degree program or one that is not otherwise substantially available in a current graduate program offered at this university. This individualized master's degree is designed to be a highly challenging academic program for the self-motivated student who has a clear perception of objectives and a background which will allow advanced study in the disciplines combined in the program. The Interdisciplinary Studies M.A. is designed to accommodate unique student interests or to prepare students for fields which require programs not presently offered at the university. It is not a replacement of existing degree programs but an enrichment of the university's offerings. This program is designed by the student in consultation with the Dean of Graduate Studies and three faculty members. The three faculty members, who comprise the student's faculty committee, are selected from more than one academic discipline. Once the program is approved by the committee, it is then submitted to the University Curriculum Committee for its approval.

Application Process: The procedures listed below are for the individualized M.A. in Interdisciplinary Studies.

1. Determine the feasibility of pursuing an Interdisciplinary Studies M.A. by reviewing the requirements and examining available CSUSB master's programs to see if the proposed degree could be met through any of these. Explore the resources of the campus needed for an Interdisciplinary Studies M.A. in terms of course offerings, library resources, facilities, and faculty expertise;
2. Prepare a written proposal eight pages in length to include the following:
 - a. Identify by title the proposed interdisciplinary program of study (i.e., Interdisciplinary Studies Master's Degree in [50-space limit]);
 - b. Describe the purpose or focus of this specially designed degree program;
 - c. Explain why this course of study cannot be pursued within one department with electives from other departments;
 - d. Explain how this program relates to the student's educational and career goals;
 - e. Indicate student's background, both academic and experiential, for undertaking this study;
 - f. List the CSUSB courses appropriate to meeting goals; the program of courses must not significantly duplicate any existing degree program on this campus or on any other state college or university campus within a commutable distance.
3. Submit the proposal to the Office of Graduate Studies for review and approval. If the draft proposal is found promising, and University facilities can support the proposed program of study, the Dean of Graduate Studies will schedule an appointment to discuss the project and provide the forms and guidelines necessary to proceed with formal application to the program as outlined in item 4 below;
4. To complete the formal application for acceptance to an Interdisciplinary Studies Master's program the student must:
 - a. Secure the agreement of faculty in the disciplines related to the proposed special program to serve as members of the Interdisciplinary Studies Graduate Committee. This committee must consist of no less than three tenured/tenure-track, full-time faculty members at CSUSB;
 - b. Convene a meeting of the Interdisciplinary Studies Graduate Committee. At this meeting the committee will: review student's documents (i.e., CSUSB transcripts, Statement of Purpose, etc.); identify the appropriate preparatory course work, completed or to be completed; and formulate with the student an academically sound program of graduate study related to their Statement of Purpose; and develop the Approved Study Plan for the Master's Degree in Interdisciplinary Studies;
 - c. On the form provided, list the five upper-division prerequisite courses, each with a grade of "B" (3.0) or better, in the major discipline of the proposed program. The determination of the major discipline is subject to the approval of the University Curriculum Committee;
 - d. On the Approved Study Plan form list the minimum of 32 units of course work, 70% of which must consist of 5000- or 6000-level courses, to be included in the Interdisciplinary Studies M.A. As an interdisciplinary program, these courses should include work from two or more departments. To avoid later difficulties with key courses that are not offered prior to graduation, reasonable substitutions should be listed where possible;
 - e. Secure signatures on the application from the Interdisciplinary Studies Graduate Committee. The Interdisciplinary Studies M.A. proposal must be signed by three faculty members who have worked with the student in developing the proposed course of study. The faculty member who will chair the advisory committee must write a statement of support which includes a brief evaluation of the proposal;
5. Submit the completed proposal for the Master's Degree in Interdisciplinary Studies to the Dean of Graduate Studies. The Office of Graduate Studies will attach a copy of current CSUSB transcripts. These materials constitute the Application for a Master's Degree in Interdisciplinary Studies and will be forwarded to the University Curriculum Committee for consideration. The committee meets regularly throughout the academic year and applications can be submitted at any time, though every effort should be made to turn in the proposal early enough in the term to receive approval prior to registration for the next term. The application materials should be filled out with great care and accuracy. Hastily done or carelessly prepared proposals are unlikely to convince the Curriculum Committee of the seriousness of the proposal. The signature of the Chair of the University Curriculum Committee on the application for the Master's Degree in Interdisciplinary Studies signals acceptance of an applicant to the program. Subsequent modification of an Approved Study Plan requires approval of the student's Interdisciplinary Studies Graduate Committee and the Dean of Graduate Studies on an official Change of Study form. No more than eight units of proposed course work can be completed prior to submission of the proposal to the University Curriculum Committee;
6. The Dean of Graduate Studies will notify the student in writing of the decision of the University Curriculum Committee. This may be approval or request for resubmission;
7. Any change or substitution of courses in the approved program must be approved by the student's faculty committee and the Dean of Graduate Studies;
8. Upon approval of the Interdisciplinary Studies M.A. proposal, the student may formally declare an Interdisciplinary Studies M.A. At graduation, the diploma will show only an M.A. in Interdisciplinary

Studies, unless the student requests in writing the inclusion of the focus of the interdisciplinary study in this fashion: Master of Arts in Interdisciplinary Studies in (subject area). The transcript will reflect both the degree title and the focus of study.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A cumulative undergraduate grade point average of at least 3.0;
2. Prerequisite of at least five upper-division courses, each with a grade of "B" (3.0) or better, in the major discipline of the proposed program. The determination of the major discipline is subject to the approval of the University Curriculum Committee;
3. A three-member faculty committee, the chair of which serves as primary advisor, to supervise the course of study;
4. Approval of Interdisciplinary Studies program proposal by the Dean of Graduate Studies.

Advancement to Candidacy

To be advanced to candidacy, a student must have:

1. Completed at least 15 units of course work on an approved study plan with a minimum of a 3.0 grade point average in the program.
2. Interdisciplinary Studies proposal approved by the University Curriculum Committee.

Requirements for Graduation

1. The program of study should be interdisciplinary, including course work from two or more departments represented at the university;
2. The program of study must include a minimum of 32 semester units of course work, at least 70% of all course work taken must be in 5000- or 6000-level courses;
3. The program of study must not include more than six units of independent study course work, excluding the units allowed for thesis or project.
4. The program must include a synthesizing experience (comprehensive examination, project or thesis). The project or thesis may include an oral defense. Students may register for no more than six units of thesis or project credit. The project or thesis may include an oral defense;
5. The program of study must include a course in research methods in the major discipline;
6. A grade point average of 3.0 ("B") must be earned in course work taken to satisfy the Master of Arts degree requirements and grades of "C" (2.0) or better in all courses in the program. Grades of "C-" (1.7) or less cannot be used toward the degree;
7. Completion of the Graduate Writing Assessment Requirement (GWAR);
8. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Requirements for the M.A. in Interdisciplinary Studies (32 units)

Program Code (INTD)

Occasionally a student wishes to pursue special interests or career goals that are not met by existing graduate programs. For this student, the Master of Arts in Interdisciplinary Studies offers the opportunity to create a unique master's degree program or one that is not otherwise substantially available in a current graduate program offered at this university.

This individualized master's degree is designed to be a highly challenging academic program for the self-motivated student who has a clear perception of objectives and a background which will allow advanced study in the disciplines combined in the program. The Interdisciplinary Studies M.A. is designed to accommodate unique student interests or to prepare students for fields which require programs not presently offered at the university. It is not a replacement of existing degree programs but an enrichment of the university's offerings. This program is designed by the student in consultation with the Dean of Graduate Studies and three faculty members. The three faculty members, who comprise the student's faculty committee, are selected from more than one academic discipline. Once the program is approved by the committee, it is then submitted to the University Curriculum Committee for its approval.

Application Process: The procedures listed below are for the individualized M.A. in Interdisciplinary Studies.

1. Determine the feasibility of pursuing an Interdisciplinary Studies M.A. by reviewing the requirements and examining available CSUSB master's programs to see if the proposed degree could be met through any of these. Explore the resources of the campus needed for an Interdisciplinary Studies M.A. in terms of course offerings, library resources, facilities, and faculty expertise;
2. Prepare a written proposal eight pages in length to include the following:
 - a. Identify by title the proposed interdisciplinary program of study (i.e., Interdisciplinary Studies Master's Degree in [50-space limit]);
 - b. Describe the purpose or focus of this specially designed degree program;
 - c. Explain why this course of study cannot be pursued within one department with electives from other departments;
 - d. Explain how this program relates to the student's educational and career goals;
 - e. Indicate student's background, both academic and experiential, for undertaking this study;
 - f. List the CSUSB courses appropriate to meeting goals; the program of courses must not significantly duplicate any existing degree program on this campus or on any other state college or university campus within a commutable distance.
3. Submit the proposal to the Office of Graduate Studies for review and approval. If the draft proposal is found promising, and University facilities can support the proposed program of study, the Dean of Graduate Studies will schedule an appointment to discuss the project and provide the forms and guidelines necessary to proceed with formal application to the program as outlined in item 4 below;
4. To complete the formal application for acceptance to an Interdisciplinary Studies Master's program the student must:
 - a. Secure the agreement of faculty in the disciplines related to the proposed special program to serve as members of the Interdisciplinary Studies Graduate Committee. This committee must consist of no less than three tenured/tenure-track, full-time faculty members at CSUSB;
 - b. Convene a meeting of the Interdisciplinary Studies Graduate Committee. At this meeting the committee will: review student's documents (i.e., CSUSB transcripts, Statement of Purpose, etc.);

identify the appropriate preparatory course work, completed or to be completed; and formulate with the student an academically sound program of graduate study related to their Statement of Purpose; and develop the Approved Study Plan for the Master's Degree in Interdisciplinary Studies;

- c. On the form provided, list the five upper-division prerequisite courses, each with a grade of "B" (3.0) or better, in the major discipline of the proposed program. The determination of the major discipline is subject to the approval of the University Curriculum Committee;
 - d. On the Approved Study Plan form list the minimum of 32 units of course work, 70% of which must consist of 5000- or 6000-level courses, to be included in the Interdisciplinary Studies M.A. As an interdisciplinary program, these courses should include work from two or more departments. To avoid later difficulties with key courses that are not offered prior to graduation, reasonable substitutions should be listed where possible;
 - e. Secure signatures on the application from the Interdisciplinary Studies Graduate Committee. The Interdisciplinary Studies M.A. proposal must be signed by three faculty members who have worked with the student in developing the proposed course of study. The faculty member who will chair the advisory committee must write a statement of support which includes a brief evaluation of the proposal;
5. Submit the completed proposal for the Master's Degree in Interdisciplinary Studies to the Dean of Graduate Studies. The Office of Graduate Studies will attach a copy of current CSUSB transcripts. These materials constitute the Application for a Master's Degree in Interdisciplinary Studies and will be forwarded to the University Curriculum Committee for consideration. The committee meets regularly throughout the academic year and applications can be submitted at any time, though every effort should be made to turn in the proposal early enough in the term to receive approval prior to registration for the next term.
- The application materials should be filled out with great care and accuracy. Hastily done or carelessly prepared proposals are unlikely to convince the Curriculum Committee of the seriousness of the proposal. The signature of the Chair of the University Curriculum Committee on the application for the Master's Degree in Interdisciplinary Studies signals acceptance of an applicant to the program. Subsequent modification of an Approved Study Plan requires approval of the student's Interdisciplinary Studies Graduate Committee and the Dean of Graduate Studies on an official Change of Study form. No more than eight units of proposed course work can be completed prior to submission of the proposal to the University Curriculum Committee;
6. The Dean of Graduate Studies will notify the student in writing of the decision of the University Curriculum Committee. This may be approval or request for resubmission;
 7. Any change or substitution of courses in the approved program must be approved by the student's faculty committee and the Dean of Graduate Studies;
 8. Upon approval of the Interdisciplinary Studies M.A. proposal, the student may formally declare an Interdisciplinary Studies M.A. At graduation, the diploma will show only an M.A. in Interdisciplinary Studies, unless the student requests in writing the inclusion of the focus of the interdisciplinary study in this fashion: Master of Arts in Interdisciplinary Studies in (subject area). The transcript will reflect both the degree title and the focus of study.

Culminating Experience

The program must include a synthesizing experience (comprehensive examination, project or thesis). The project or thesis may include an oral defense. Students may register for no more than six units of thesis or project credit. The project or thesis may include an oral defense

9/2019

Master of Arts in Mathematics

The Master of Arts degree in Mathematics is a flexible program that allows students to tailor their studies to individual career goals. It emphasizes mathematical content courses and communication of mathematics. It is appropriate not only for college teaching but also for students considering further graduate work or work in industry. There are two possible culminating experiences: a thesis, or, a set of comprehensive exams. See below for more information on these.

Admission to the Program

In addition to the general requirements of the university, which include a baccalaureate degree from an accredited college, specific requirements for admission to the program are:

1. Successful completion with a grade of at least "B" (3.0) of course work in abstract algebra, real analysis, in addition to upper division course work in pure, applied, and advanced mathematics deemed equivalent to the core of the mathematics major at California State University, San Bernardino. More specifically, course work in pure mathematics must include one of number theory, geometry, combinatorics, or graph theory. Course work in applied mathematics must include one of ordinary differential equations, numerical analysis, Fourier analysis, or mathematical modeling. Course work in advanced mathematics must include one of topology, complex analysis, or differential geometry. Substitutions may be made in certain circumstances at the discretion of the MA coordinator. In addition, an overall GPA of at least 3.0 is required;
2. In some cases, students who do not meet these criteria may be admitted as conditionally classified graduate students following review by the Department of Mathematics Graduate Committee;
3. Submission of a completed M.A. in Mathematics application form, including all undergraduate transcripts;
4. Three letters of recommendation submitted to the Department of Mathematics main office;
5. A letter of not more than three pages, outlining background, interest in this program, and career goals.

Advising

Each graduate student is encouraged to seek advising information from the Department of Mathematics either before enrolling or soon after being admitted to the program where they will develop an appropriate course of study based on their preparation and interests. The specific program must be approved by the department graduate committee at Advancement to Candidacy.

Advancement to Candidacy

In order to be advanced to candidacy, the student must:

1. Achieve classified status;
2. Complete between 11 and 15 units of applicable work as a graduate student, with a grade point average of at least 3.0 ("B");
3. Complete MATH 6000 with a grade of B or better. (This is the Writing Requirement for Graduate Candidacy.)

4. Submit a formal program of graduate work as part of Advancement to Candidacy prepared in consultation with and approved by the departmental graduate committee;
5. Gain final approval of the program and of the candidacy itself by the Dean of Graduate Studies.

Requirements for Graduation

1. Advancement to candidacy for the degree;
2. A minimum of 31 semester units of acceptable graduate level work as specified below in the formal program;
3. No less than 22 units completed in residence at this university;
4. Completion of a thesis or successfully pass all comprehensive exams (see below for more on these options);
5. A grade point average of at least 3.0 in the program, with no course grade being less than "B-";
6. The Graduate Writing Assessment requirement is met through successful completion of MATH 6000;
7. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Degree Requirements (31 units)

Program Code: MTHM

Core courses (10)

MATH 6000	Communicating Mathematics	2
MATH 6016	Graduate Algebra	4
MATH 6018	Analysis in Several Variables	4

Electives (15)

5 elective courses for at least 15 units. At least 6 units must be at the 6000 level. The 6000-level electives may be chosen from Math 6110, 6145, 6178, or any of the independent study courses.

Approved 5000- or 6000-level courses in mathematics not used to satisfy any other requirement

Approved 4000-level courses in mathematics not in the core of the major

Culminating Experience (6) 6

Total Units 31

Culminating Experience (6 units)

The student may choose as their culminating experience to either write a thesis or pass three comprehensive examinations. This decision is made when the student advances to candidacy.

Thesis option (6 units)

MATH 6972	Graduate Thesis I	2
MATH 6974	Graduate Thesis II	4
Total Units		6

If the student chooses to pursue a thesis to fulfill the above requirement for graduation, they must have a GPA in the program of 3.25 or higher, and then complete the thesis preparation courses Math 6972 and Math 6974. To enroll in Math 6972, the student must submit a short proposal with a faculty mentor (who agrees to be the chair of their thesis committee) to the MA Coordinator by the final week of classes in the

semester prior to enrolling in Math 6972. A detailed thesis proposal approved by two other faculty members who agree to be on the student's thesis committee is usually produced by the student during Math 6972. In any event, this proposal must be submitted to the MA Coordinator before the last week of classes of the semester prior to enrolling in Math 6974 so that it can be reviewed and approved by the MA Committee, at which time the student may enroll in Math 6974 and complete the writing and defense of their thesis.

Comprehensive Exam option (6 units)

MATH 6900	Comprehensive Exam Preparation in Elective Topics	1
MATH 6916	Comprehensive Exam Preparation in Algebra	1
MATH 6918	Comprehensive Exam Preparation in Analysis	1
At least 3 additional units at the 5000 or 6000 level		3
MATH 6981	MA Comprehensive Examination	0
Total Units		6

If the student does not pursue a thesis, then they must pass three comprehensive exams and enroll in at least 3 additional math units at the 5000 or 6000 level (this course level requirement may be waived in certain circumstances). These exams are each taken any time during the expected final semester of the program, this schedule is developed by those faculty involved. Two of the exams cover standard material in MATH 6016 and MATH 6018. The third exam *must not be* predominantly written (for example, oral), and covers material from two elective courses (excluding Math 6178 and Math 6411); one of these selected courses must be at the 6000 level. The instructors of these two courses comprise two of the three members of the student's elective examination committee, while the third is chosen by the student. The chair of this committee is responsible for helping to arrange administrative aspects of the exam but also help to mentor the student as they prepare.

The instructors of the most recent MATH 6016 and MATH 6018 courses will write and evaluate the written Algebra and Analysis exams, and will be the instructors of MATH 6916 and MATH 6918, respectively. The chair of the student's elective examination will be the instructor for MATH 6900, and this committee will evaluate the student's performance in their elective comprehensive examination. To enroll in MATH 6900, the student must submit a proposal to the MA Coordinator for approval by the MA Committee before the final week of classes prior to the semester they will enroll in MATH 6900, MATH 6916, and MATH 6918.

This proposal must have the names and signatures of the student's elective examination committee and the instructors of MATH 6916 and MATH 6918. In addition, it must contain the dates, times, and locations of all three examinations. It must also list what two courses the elective examination covers, and a short summary of the material from those courses the student shall be responsible for, along with any other information relevant to the exam, for example, any special topics or responsibilities of the student. This proposal functions as a contract for how the exams will be administered. The student must also enroll in the 0 unit course MATH 6981, where a grade of "Credit" is given once the student successfully passes all three comprehensive exams.

If a student fails any of the exams, they may retake it only once. Only failed exams need to be retaken. If an exam is failed twice, the student may petition the department for subsequent attempts in exceptional circumstances. Approval of such petitions may be contingent upon completion of additional designated courses.

Master of Arts in National Security Studies

The Master of Arts in National Security Studies is a professionally oriented, interdisciplinary, graduate-level program housed within the College of Social and Behavioral Sciences. The program is designed to develop an understanding of the substance and principles of defense policy analysis, intelligence analysis, strategic planning and arms control in relation to the contemporary international environment. Flexibility within elective courses permits the student to emphasize research in national security issues of his or her special interests.

The program is relevant to established career personnel in defense analysis and related specialties, the military services, the civil service and the intelligence community. Additionally, the program is structured to provide motivated persons holding a Bachelor of Arts degree and/or Bachelor of Science degree from an accredited institution with the higher educational skills necessary for entry into the above mentioned career fields or to pursue doctoral studies.

The program is intended for evening students primarily and, therefore, classes are predominantly scheduled between 6 and 10 p.m.

The program was designated an Intelligence Community Center of Academic Excellence (IC CAE) in 2006 by the Office of the Director of National Intelligence (ODNI).

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A baccalaureate degree from an accredited college or university;
2. Satisfy the National Security Studies graduate admissions committee that sufficient preparation and a satisfactory course of study has been pursued in preparation for graduate study. The GRE General Test is required;
3. A minimum cumulative undergraduate grade point average of at least 2.5 overall and at least 3.0 ("B") in the student's undergraduate major;
4. Completion of the graduate entrance writing requirement;
5. Competence in the following prerequisite courses or their equivalents:

PSCI 2030	Government of the United States	3
MATH 1301	Modeling with Functions	3

Competence in these areas may be demonstrated by:

- a. Formal completion of the course or its equivalent,
OR
 - b. Credit by examination.
6. Submission to the National Security Studies Admissions Committee of a brief statement (one or two double-spaced typewritten pages) of the student's preparation for graduate study and professional aspirations following receipt of the master's degree;
 7. Submission of three letters of recommendation from individuals familiar with the student's academic or professional work and potential to complete the program successfully. Letters must come directly from

the writer on National Security Studies forms, which may be obtained at the department office.

Students who meet the requirements for admission to graduate study, but who do not meet the program requirements, may be admitted to graduate study in unclassified postbaccalaureate status or to the program in conditionally classified graduate standing. When the specified deficiencies are removed, student status is changed from conditionally classified to classified. (Unclassified postbaccalaureate students may enroll, when space is available, in selected graduate courses.) No more than 9 semester units of national security studies course work taken as an unclassified or conditionally classified graduate student may be applied to the program as a classified graduate student.

Advancement to Candidacy

To be advanced to candidacy, a student must have:

1. Achieved classified status;
2. Selected a graduate advisor to supervise the course of study;
3. Completed at least 12 semester units of national security studies program course work at this university, and achieved a minimum grade point average of 3.0 ("B") in those courses;
4. Filed a graduate program approved by the student's advisor, the national security studies program director and the Dean of Graduate Studies.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable graduate-level work, with at least 24 semester units completed in residence at California State University, San Bernardino;
2. A grade point average of at least 3.0 ("B") in all national security studies program courses taken;
3. Choose Option A or B:
 - a. Completion of acceptable comprehensive final written and oral examinations;
 - b. Completion and defense of an original master's thesis.
4. The graduation writing requirement will be satisfied by achieving a minimum grade point average of 3.0 ("B") in the two core courses listed below. Each core course will allow the student to develop competence in various forms of writing traditional to the field. These are:
 - a. Critical book reviews (PSCI 6000),
 - b. Article length essay (PSCI 6020) and the process of "peer review".
5. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Classified graduate students in the Master of Arts program must complete their degree requirements within five years of admission to the program. Students in classified status who fail to register for at least one course in the program each quarter will automatically be declassified. PSCI 6980-6986, Continuous Enrollment for Graduate Candidacy Standing, must be taken if another course is not taken during a given quarter.

The instructor in each 6000-level course will complete an evaluation of each student's performance and potential to complete the program successfully. These evaluations will be reviewed by the program director

and maintained in the student's file for early consultation with the student about his or her future prospects in the program.

The Master of Arts in National Security Studies is a thesis option course of study requiring either written and oral comprehensive examinations (to be taken in the last quarter of program course work) or a thesis. Students with less than a 3.0 grade point average in the program will not be permitted to take the examinations or propose a thesis. All students are required to take the prerequisite and core courses.

Comprehensive Examination

The comprehensive examination committee for each candidate will consist of the core advisor, an advisor on the student's specialization, and a third faculty member from the department. The examinations will be graded credit/no credit.

An oral examination by the student's committee follows successful completion of the written examination. The oral examination is open for public attendance, but not participation. Should the candidate fail one or more written or oral examination areas, the entire oral or written examination may be repeated one time after remedial course work or study is completed. The scope and deadline for completion of this remedial work will be determined by the student's examination committee at a post-examination conference.

Students must enroll in PSCI 6980 - the Political Science Comprehensive Examination..

Thesis

The criteria for determining who will be allowed to choose the thesis option will be determined by the proposed thesis committee. Students are still required to develop a course of study consistent with the core and one field, as noted above. After completion of a minimum of 15 semester units, the student will request three faculty to form a preliminary committee, at least two of whom have instructed a course that the student has taken in the program.

Prerequisite courses (6 units)

MATH 1301	Modeling with Functions	3
PSCI 2030	Government of the United States	3

Degree Requirements (30-33 Units)

(Program Code: NTSS)

Core courses (18)

PSCI 4840	National Security Policy	3
PSCI 5920	Seminar in Government (Research Methods)	3
PSCI 6000	Theory and History of Strategy	3
PSCI 6020	International Security	3
PSCI 6210	Intelligence Assessments and Estimates	3
PSCI 6250	American Foreign Policy	3

Electives (12)

Twelve units chosen from among the electives listed below. Students 12 who elect to complete PSCI 699 must choose 15 units.

CJUS 5554	Terrorism
CJUS 5555	Homeland Security
ECON 6303	International Economic Issues
GEOG 6100	Military Geography for National Security

HIST 5560	Foreign Relations of the United States
MATH 6411	Operations Analysis
PSCI 5400	Seminar in Comparative Politics (Middle East Politics)
PSCI 5400	Seminar in Comparative Politics (African Dictatorships)
PSCI 5400	Seminar in Comparative Politics (East Asian Politics)
PSCI 5400	Seminar in Comparative Politics (Latin American Politics)
PSCI 5900	Seminar in International Relations (Techniques of Intelligence Analysis)
PSCI 5900	Seminar in International Relations (Terrorism in Africa)
PSCI 5900	Seminar in International Relations (Intelligence Ethics)
PSCI 6010	Strategic Systems and Strategic Thought
PSCI 6030	Cyber Security and Cyber Warfare
PSCI 6040	Seminar in International Law
PSCI 6050	Topics in Strategy:
PSCI 6060	Analysis of International Terrorism
PSCI 6090	International Relations Theory
PSCI 6110	Regional Security of Eurasia
PSCI 6120	African Security
PSCI 6130	Middle East Security
PSCI 6140	Regional Security of East Asia
PSCI 6200	Understanding Intelligence Failure
PSCI 6220	Arms Control
PSCI 6240	Politics of National Security
SSCI 6950	Directed Graduate Studies

Culminating Experience (0-3)	0-3
Total Units	30-33

Internship

Some internships in government service are occasionally available on a competitive basis. Other nonprofit research internships are available.

Transfer Credit

A maximum of 6 semester hours of acceptable postbaccalaureate credit taken at an accredited institution of higher learning may be applied toward the requirements for the M.A. in National Security Studies. Selected Department of Defense courses (War College, Command and Staff College and Squadron Officers School) have been approved for transfer credit. Determination of acceptability of transfer credit requests is made upon receipt of official transcripts by the Office of the Registrar and upon recommendation of the director of national security studies.

Culminating Experience (0-3)

Students must complete one of the following:

PSCI 6973	Thesis (Thirty units of course work and three units of thesis must be completed before the degree will be awarded)	0-3
or PSCI 6980	Comprehensive Examination	

Master of Arts in Psychological Science

The objective of the Master of Arts in Psychological Science is to provide a program of study with courses selected from a variety of basic areas in experimental psychology. The program provides a broad background suitable for entry into doctoral programs in any area of psychology (e.g., social, cognitive, developmental, neuroscience, or clinical); or for employment that benefits from a Master of Arts degree in Psychology. Active research involvement in some area of Psychological Science will be expected of all students in the program.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A baccalaureate degree with a major in psychology; or with any other undergraduate major;
2. Satisfy the graduate admissions committee of the Department of Psychology that a satisfactory course of study has been pursued in preparation for graduate study in psychology;
3. A cumulative undergraduate grade point average of at least 3.0 ("B") overall and in the major;
4. A brief statement describing preparation for graduate study (e.g., research experience, academic accomplishments), identifying a specific Psychological Science faculty member (or two) whose research is of particular interest to the applicant, and discussing the applicant's professional aspirations and goals for graduate study. To be submitted to the department;
5. Three letters of recommendation, with at least two from former professors. Letters should come directly from the writers or be included in a placement file. (It is the applicant's responsibility to determine if letters have been received.);
6. Satisfaction of the prerequisites or their equivalent:

PSYC 100	Introduction to Psychology
PSYC 210	Psychological Statistics
PSYC 311	Introduction to Experimental Psychology

Students who meet the general requirements of the university for admission to graduate study, but who do not meet the Psychology Department's specific requirements for admission to classified status or who wish to take course work prior to spring quarter consideration of their application for classified status, may be admitted to the university in the unclassified postbaccalaureate status. Unclassified postbaccalaureate students may enroll, with consent of the Psychology Department, in selected graduate courses.

Advancement to Candidacy

At the end of the winter semester, all first year graduate students will be evaluated to determine whether or not they will be advanced to candidacy for the Master of Arts degree. Students will be reevaluated each semester until they are either advanced to candidacy or declassified.

To be formally advanced to candidacy, a student must, to the satisfaction of the chair of the department, have:

1. Achieved classified status;
2. Successfully completed 17 units of course work in the program and maintained a 3.0 ("B") grade point average in the course work;
3. Selected a graduate advisor to supervise the course of study;
4. Complied with the ethical standards of the American Psychological Association;
5. Filed an approved graduate program which must have the approval of the student's advisor, the department chair or the graduate program director and the Dean of Graduate Studies;
6. Demonstrated successful research participation with a faculty advisor. Success will be determined by a passing grade in PSYC 6952 (2 units). PSYC 6953 (3 units) will be reserved for the completed thesis proposal after advancement. This requirement can be fulfilled in one of three ways:
 - a. Student becomes familiar with the literature in a research area related to their thesis research. This could take the form of a partial literature review, an annotated bibliography and/or a presentation of the literature of interest to faculty/student groups.
 - b. Student becomes familiar with several related research literatures if their area of interest is currently undeveloped or if specialized knowledge of particular methodologies requires further investigation for the development of a thesis project.
 - c. Student acquires skills in certain specialized research methods which will pertain to their abilities to gather data for the thesis. Examples of such activities could include gathering pilot data to acquire interview skills, knowledge of survey procedures, assessment skills, advanced statistical skills, understanding of content analysis, skills to work with a special population, or advanced physiological measurement skills.

Requirements for Graduation

1. A minimum of 34 semester units of approved graduate-level work, with a minimum of 25 units completed at this university. Any transfer units are subject to approval by the program director.
2. A grade point average of at least 3.0 ("B") in all courses taken to satisfy the Master of Arts degree, grades of "B-" (2.7) or better in each required course in the program, and grades of "C" (2.0) or better in each elective course;
3. Successful completion of the course work listed below, including a culminating experience consisting of the completion and defense of an original master's thesis;
4. The Graduate Writing Assessment Requirement is met through successful completion of PSYC 6640 with a grade of B- or higher.
5. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Classified graduate students in the Master of Arts program must complete their degree requirements within seven years of admission to that program. Students in classified status who fail to register for at least one course in the Psychology M.A. program each semester will automatically be declassified. PSYC 6990-6996 (Continuous Enrollment for Graduate Candidacy Standing) must be taken if another course is not taken during a given semester.

Degree Requirements (34-35 units)

(Program Code: PYSC)

PSYC 6001	Proseminar in Psychological Science I	2
PSYC 6002	Proseminar in Psychological Science II	1
PSYC 6952-6955	Advanced Independent Study (2-5 units for a total of 5)	5
PSYC 6640	Advanced Methods in Psychological Research	3
PSYC 6641	Analysis of Variance	4
PSYC 6656	Advanced Biological Psychology	3
Three units of PSYC 5000- or 6000-level courses, excluding PSYC 5951-5953, PSYC 6951-6955, PSYC 6121-6125 and PSYC 6891-6893.		3
Culminating Experience (4)		4
Concentration (9-10)		
Students must satisfy the requirements of one of the concentrations listed below		9-10
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Total Units		34-35

Culminating Experience (4 units)

PSYC 6974	Thesis	4
Complete and defend original Master's Thesis		
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Total Units		4

Concentrations (9-10 units)

General Concentration (10 units)

PSYC 6642	Regression and Nonparametric Statistics	4
PSYC 6650	Advanced Cognitive Psychology	3
PSYC 6658	Advanced Social Psychology	3
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Total Units		10

Behavioral and Cognitive Neuroscience Concentration (9 units)

Overview: The objective of the Behavioral and Cognitive Neuroscience concentration is to provide a focused course of study for students intending to advance to doctoral programs in biological psychology, behavioral neuroscience, cognitive neuroscience or related disciplines; or for employment that benefits from a Master of Arts degree in Psychology or training related to Neuroscience. Students will obtain a strong understanding of experimental design and statistics, and then choose core courses tailored to their future academic goals. Active research involvement in Behavioral and/or Cognitive Neuroscience is an expectation of the program.

Nine units chosen from:		9
PSYC 5538	Introduction to Psychopharmacology	
PSYC 5539	Current Methods in Neuroscience	
PSYC 5562	Neural Mechanisms of Learning and Memory	
PSYC 5567	Neural Substrates of Psychiatric Disorders	
PSYC 6642	Regression and Nonparametric Statistics	
PSYC 6652	Advanced Learning and Motivation	
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Total Units		9

Master of Arts in Reading and Literacy Option

Pending CO Approval

The M.A. in Reading and Literacy meets the needs of the candidate who is interested in becoming an effective educator of reading, writing and literacy. The program aims to improve the quality of instruction among literacy educators who work with learners at all levels (pre-K-adult), not only to develop strong literacy skills, but also to acquire a lifelong love of literacy. By advocating for research, policy, and instructional practices that are appropriate and effective, the program strives to promote and sustain a culture of literacy within the schools, homes, and communities of those we serve. Program graduates are highly qualified professionals who successfully yield successful literacy outcomes for all learners through the implementation of sound instructional practices grounded in current theory and research, including balanced literacy instruction, new literacies and digital literacies, alignment to common core standards, and literacy education for diverse learners. Graduates of this program are also prepared to serve as literacy leaders in their educational contexts.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A valid basic California teaching credential or 3 years of teaching experience;
2. A cumulative grade point average of 3.0 ("B") in all courses taken in education;

Students who do not meet these criteria may be admitted as conditionally classified graduate students. Students admitted in this category may be changed to classified standing with approval of the College of Education.

Advancement to Candidacy

In order to be formally advanced to candidacy, a student must have:

1. Achieved classified standing;
2. Completed with a grade point average of 3.0 ("B"), 15 semester units of course work;
Note: Between the time of completing 15 units and 21 units of applicable course work the student is required to apply for advancement to candidacy.
3. Secured approval of candidacy from the College of Education;
4. Filed an approved graduate program for completion of the degree.
This must be prepared in consultation with an advisor in the College of Education and approved by the program coordinator.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable work, with 21 completed in residence at this university;
2. A grade point average of 3.0 ("B") in course work taken to satisfy the Master of Arts degree requirements and grades of "C" (2.0) or better in all courses in the program;
3. Successful completion of ERDG 6980;

4. The graduation writing requirement is met upon successful completion of the written comprehensive exam ;
5. Any additional University requirements for a Master's Degree Program.

The program may not include more than 9 semester units in approved extension and transfer courses from other colleges. California State University, San Bernardino will not consider transfer credit course work from any institution which that does not accept that work in its own advanced degree program.

Degree Requirements (30 units)

(Program Code: ERDG)

ERDG 6100	Foundations of Literacy	3
ERDG 6110	Literacy and Language Processes	3
ERDG 6120	Literacy Assessment, Intervention and Evaluation	3
ERDG 6130	Contemporary Issues and Research in Literacy	3
ERDG 6200	Critical and Cultural Approaches to Literacy	3
ERDG 6210	Materials, Curriculum and Approaches to Literacy	3
ERDG 6220	Practicum in Reading and Literacy	3
ERDG 6230	Leadership Roles in Reading and Literacy	3
ERDG 6140	Technology, Multimodality and Digital Literacies for Educators	3
ERDG 6240	Advanced Curriculum Perspectives in Literacy	3
Culminating Experience (0)		0
Total Units		30

Culminating Experience (0 units)

ERDG 6980	Comprehensive Examination	0
Total Units		0

The comprehensive examination is of an integrative nature and is designed to demonstrate the candidate's knowledge of the field of reading and literacy education. It also fulfills the Graduation Writing Requirement, so the quality of writing is also evaluated. The student may enroll in the examination no earlier than the last semester in which course work is taken. The student must have advanced to candidacy and completed a graduation check with the Office of Records, Registration and Evaluations before permission to take the examination can be granted. Students who do not receive a passing score may petition the College of Education to retake the examination or any part of it. Students who do not receive a passing score the second time must petition the Dean of Graduate Studies to retake it. The exam cannot be repeated more than twice. Approval to retake the examination may be, at any time, contingent upon completion of additional designated courses.

Master of Arts in Rehabilitation Counseling

The Master of Arts in Rehabilitation Counseling offered by the College of Education is a three-year course of study. It is designed to prepare students to work with individuals with disabilities (including transition aged youth and veterans) in public and private rehabilitation agencies, hospitals, industry and related fields. Graduates of the program will be prepared to take the Certified Rehabilitation Counselor examination.

Rehabilitation counseling is a growing field in the mental health and allied health professions. A rehabilitation counselor helps individuals with disabilities achieve optimal social, psychological and vocational potential. Whenever possible, the final goal of rehabilitation is job placement.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A baccalaureate degree with a major preferably in education, psychology, sociology, or a related social service field;
2. A cumulative undergraduate grade point average of 2.5 ("B") overall;
3. Completion of the graduate entrance writing requirement, as required;
4. Completion of an interview to assess competence in interpersonal skills and aptitudes for the rehabilitation counseling profession.

Advancement to Candidacy

In order to be formally advanced to candidacy, a student must have:

1. Achieved classified graduate standing;
2. Satisfactorily completed EREH 6615 and EREH 6616 with a grade of "B" (3.0) or better in each;
3. Secured approval of candidacy from the College of Education;
4. Filed an approved graduate program for completion of the degree. This must be prepared in consultation with an advisor in the College of Education and approved by the College and the Dean of Graduate Studies.

Requirements for Graduation

1. A minimum of 60 semester units of acceptable work, with 42 completed in residence at this university;
2. A minimum of 40 semester units taken after a student has been advanced to candidacy for the degree;
3. Participation in a continual evaluation process assessing personality, character, professional ethics, aptitudes, counseling skills, dispositions, oral and written language usage;
4. A grade point average of 3.0 ("B") in course work taken to satisfy the Master of Arts degree requirements, including a minimum of a "B" in EREH 6615 and EREH 6616 and grades of "C" (2.0) or better in all courses in the program;
5. The Graduate Writing Assessment Requirement is met upon successful completion of EREH 6624;

6. Successful completion of the Certified Rehabilitation Counselor (CRC) Examination, which is a national certification examination given by the Commission on Rehabilitation Counselor Certification.

Degree Requirements (60 units)

EREH 6615	Introduction to Rehabilitation Counseling	5
EREH 6616	Medical Aspects of Disability Across the Life Span	5
EREH 6617	Counseling Theories and Psychosocial Aspects in Rehabilitation	5
EREH 6618	Addictions & Co-Existing Disabilities	5
EREH 6619	Counseling Skills - Practicum I	5
EREH 6620	Multicultural Rehabilitation Counseling	4
EREH 6621	Psychiatric Rehabilitation Diagnosis & Psychopharmacology	5
EREH 6622	Theoretical & Practical Applications of Case Management / Job Placement - Practicum II	5
EREH 6623	Theory and Practice of Group Counseling in Rehabilitation	4
EREH 6624	Assessment, Research & Program Evaluation	5
EREH 6625	Fieldwork in Rehabilitation Counseling	12
Culminating Experience		0
Total Units		60

Culminating Experience (0 units)

EREH 6980	Comprehensive Examination in Rehabilitation *	0
Total Units		0

* A grade of CR will be awarded upon successful completion of the Certified Rehabilitation Counselor (CRC) Examination, which is a national certification examination given by the Commission on Rehabilitation Counselor Certification. The exam is administered in March, July and October each year. Students need to apply and pay the examination fee. Students need to provide evidence of exam completion in the final semester of the academic program. Students must take the CRC Exam as part of EREH 6980 in order to complete the Master's degree program in Rehabilitation Counseling Master's Program. If a student does not pass the CRC on the first attempt, they need to retake the exam. If after the second attempt they do not pass the examination, the student needs to petition both the Dean of Graduate Studies and the Coordinator of the Rehabilitation Counseling Program, for permission to develop a plan of remediation in order to retake the CRC exam.

Master of Arts in Social Sciences and Globalization

The objective of the M.A. in Social Sciences is to provide students with a survey of the concepts and ideas social scientists study with emphasis placed upon the domestic and international impact of global processes and global connectivity. While the program provides course work in each of the contributing disciplines of Anthropology, Economics, Geography, History, Political Science, and Sociology, the program also supports interdisciplinary learning and research through a colloquium series. This program is especially attractive to those pursuing a career in or seeking advancement in secondary school and community college teaching in the social sciences. Those interested in work in other types of educational and social science related fields, such as non-profit or non-governmental work, applied social sciences, and those interested in pursuing advanced degrees (Ph.D., J.D., etc.) may also benefit from this program.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified status are:

1. A baccalaureate degree in a social science discipline or in social science itself, or another baccalaureate degree with course work that satisfies the College of Social and Behavioral Sciences that the student has received adequate preparation to undertake the program;
2. A cumulative undergraduate grade point average of at least 2.5 overall and at least 3.0 ("B") in the major (preference will be given to applicants who have at least 3.0 overall);
3. A brief 1 to 2 page statement of purpose (not to exceed 1,000 words), describing the applicant's preparation for graduate study and academic and professional goals, to be submitted to the College of Social and Behavioral Sciences;
4. A writing sample (at least 10 pages but not to exceed 25 pages) that demonstrates the applicant's ability to write analytical prose, to construct a reasoned argument based upon evidence, and to create a context for assessing the significance of what has been presented. Writing sample should demonstrate preparation for the applicant's proposed field of study;
5. Three letters of recommendation, with at least two from former professors. Letters should come directly from the recommenders or be included in a placement file. It is the applicant's responsibility to determine if letters have been received. It is assumed that students who request confidential letters to be submitted on their behalf have waived their right to view those letters as per FERPA (1974) requirements to maximize the confidentiality and integrity of the letters of reference. Applicants who do not wish to waive their right to view those letters are responsible for letting their letter-writers know in advance that they retain their right to view the letters.

Applicants who meet the general requirements of the university for admission to graduate study but do not meet the additional requirements listed above may be admitted to the university in the unclassified postbaccalaureate status. Unclassified postbaccalaureate students may enroll, when space permits, in elective graduate courses in the program but not the required graduate proseminars. An unclassified postbaccalaureate student should consult with the College of Social and

Behavioral Sciences to determine what steps would be necessary to advance to classified status.

Advancement to Candidacy

In order to be formally advanced to candidacy, a student must have:

1. Achieved classified status;
2. Secured a graduate advisor to supervise the course of study;
3. Completed, with the approval of the advisor, at least 9 semester units of graduate course work at this university and achieved a minimum grade point average of 3.0 ("B") in those courses;
4. Satisfy the Graduate Writing Requirement with completion of at least one paper in the program that satisfies the program-specific Graduate Writing Requirement (GWR) rubric at the "meets expectations" or "exceeds expectations" level (see graduate coordinator for more information);
5. Filed an approved program which must have the approval of the student's advisor and the coordinator of the program.

Requirements for Graduation

1. Completion of a minimum of 31 semester units (46 quarter units) of acceptable graduate-level work, with at least 23 semester units (33 quarter units) completed in residence at this university;
2. A grade point average of at least 3.0 ("B") in all courses taken as part of the program;
3. To provide a breadth of content in this graduate program, students are allowed to take a 5000- or 6000-level course as an elective from any University department with the approval of the program coordinator;
4. Satisfy the Graduate Writing Assessment Requirement with completion of at least one paper in the program that satisfies the program-specific Graduate Writing Requirement (GWR) rubric at the "meets expectations" or "exceeds expectations" level (see graduate coordinator for more information);
5. In addition to completion of the graduate writing requirement, classified students enrolled in the M.A. in Social Sciences must satisfy the program's writing requirements by:
 - a. Successful completion of the M.A. in Social Sciences with a grade point average of "B" or better in Social Sciences core courses requiring students to write in a manner appropriate to the relevant social science disciplines; and
 - b. Successful completion of the Social Science Comprehensive Examination (SSCI 6970) requiring acceptable writing skills, or preparation of an acceptable graduate thesis (SSCI 6990);
6. At least 23 units of 600-level courses;
7. Any additional requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Degree Requirements (31 units)

(Program Code: SSGM)

ANTH 6000	Proseminar in Anthropology	3
GEOG 6000	Proseminar in Geography	2
HIST 6000	Proseminar in History	2
PSCI 6100	Proseminar in Political Science	2
SOC 6000	Proseminar in Sociology	3
ECON 6000	Proseminar in Economics	2

SSCI 6010	Social Science Colloquium	4
SSCI 6020	Professional Development and Portfolio	1
Culminating Experience (3)		3
Concentration (9)		
Students must satisfy the requirements of one of the concentrations listed below		9
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Total Units		31

Culminating Experience (3 units)

Students must select either the Comprehensive Exam Option or the Thesis/Project Option as their Culminating Experience.

Comprehensive examination Option

SSCI 6983	Comprehensive Examination	3
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Total Units		3

Students who choose the comprehensive examination option must take that examination no earlier than in the second to the last quarter of program course work. These students must enroll in SSCI 6970. Students with less than a 3.0 grade point average in the program will not be permitted to take the examination. The comprehensive examination committee for each candidate will consist of the program coordinator and the student's advisor. The comprehensive examination will have two components. The first will be a general examination that covers the areas of social science treated in the course requirements with a special focus on globalization. The second will be a specific field and focus on the student's specialization. The examination will be graded pass/fail, and candidates failing the examination may take it a second time within one year. If a second examination is needed, the student, coordinator and advisor should discuss what actions may be necessary to remedy the student's shortcomings. No student will be permitted to take the comprehensive examination more than twice.

Thesis or Project Option

SSCI 6973	Graduate Project or Thesis	3
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Total Units		3

A student selecting the thesis or project option must complete a thesis or project that is approved by his or her faculty committee. The thesis or project must reflect original work and show a level of competence appropriate for a master's degree. The faculty committee shall consist of two or three faculty members, including the student's advisor, mutually agreed upon by the student and faculty. By mutual agreement between the student and advisor, an additional member may be added to the committee. At least one member of the thesis committee must also be affiliated with the Graduate faculty. The student must enroll in SSCI 6990, Thesis or Cumulative Project, in the quarter when completion of the thesis is anticipated.

Concentrations (9 units)

Disciplinary Concentration (9 units)

- Nine semester units (twelve quarter units) chosen from one of the following six disciplines at the 5000-level or above, or as approved by the major advisor and program coordinator.
 - Anthropology
 - Economics
 - Geography

- History
- Political Science
- Sociology

- Only six semester units (eight quarter units) may be taken as independent study or Directed Readings/Directed Research. Independent Study or Directed Readings/Research courses will involve research which builds on the methods and theories of the student's disciplinary concentration and contribute to the student's thesis/special field.
- All coursework must be chosen in consultation with the disciplinary advisor (members of the affiliated faculty representing the corresponding disciplines). All electives must be 5000-level courses or above unless approved by the coordinator.

Thematic Concentration (9 units)

- Nine semester units (twelve quarter units) of elective coursework must consist of courses related to a program theme (social justice, sustainability, migrations and social movements, or global analysis). Six semester units (eight quarter units) can consist of an independent study, directed readings or directed research. Independent Study, directed readings/research courses will involve research which focuses on the student's regional emphasis and contribute to the student's thesis/special field.
- Select one emphasis from the following, or develop one not on the list in consultation with faculty advisor and program coordinator:
 - social justice
 - sustainability
 - migrations and social movements
 - global analysis
- All coursework must be chosen in consultation with the coordinator of the program.
- All electives must be 5000-level or above.

Applied Social Science Concentration (9 units)

- Nine semester units in an area of applied Social Science selected in consultation with faculty advisor and program coordinator.
- Select one emphasis from the following, or develop one not on the list in consultation with faculty advisor and program coordinator:
 - GIS and Spatial Analysis
 - Public History
 - Museum Studies
- All coursework must be chosen in consultation with the coordinator of the program.
- All electives must be 5000-level or above.

Master of Arts in Spanish

The M.A. in Spanish focuses on the strengthening of the knowledge of Spanish teachers as well as of the intensive study of literature, linguistics, and culture for those students who will be continuing their advanced studies. The degree is also appropriate for those students seeking employment in the public or private sector in positions that serve the Latino community or require knowledge of Spanish at an advanced level.

Admission to the Program

In addition to the general requirements of the University, which include a baccalaureate degree from an accredited college, specific requirements for classification in the program are:

1. Completion of an undergraduate major in Spanish from an accredited institution consisting of at least 30 semester units, or 45 quarter units, or equivalent, of upper-division course work;
2. A cumulative undergraduate grade point average of at least 3.0 ("B"), and a minimum grade point average of 3.0 in all Spanish classes;
3. Good standing at the last college attended (verified by student transcripts, see below);
4. Three letters of recommendation;
5. A one- to two-page statement describing the student's professional goals in the area of Spanish;
6. Submission of official transcripts from all previous college work to the department's graduate committee;
7. Verification of oral and written proficiency in Spanish at the ACTFL level of advanced mid or higher as determined by an entrance exam given by the Department of World Languages and Literatures, CSUSB. (This requirement is waived for candidates who received their B.A. in Spanish from CSUSB within the last five years of application to the M.A. in Spanish.);
8. Students who do not meet the above criteria may be admitted as conditionally classified graduate students per approval by the Graduate Committee and may be required to take additional upper-division Spanish undergraduate courses. Students who do not possess a B.A. in Spanish (but have a degree in another discipline) may also be required to take selected upper-division undergraduate courses (earning a minimum grade of "B" (3.0) in each assigned class).

Advancement to Candidacy

To be advanced to candidacy, the student must have:

1. Achieved classified status;
2. Completion of the writing requirement for graduate candidacy through completion of a program-specific writing intensive mandatory course, SPAN 6606, with a grade no lower than B;
3. Completed all course work taken before advancement to candidacy with a minimum grade point average of 3.0 ("B"). Completed all course work with no more than one course with a grade of "C" or lower. If a second such grade is earned, the student will be dismissed from the program, but may petition the graduate admission committee for readmission. After reviewing the petition, the committee may allow readmission under such conditions as it deems appropriate. A

third grade of "C" or lower will result in permanent dismissal from the program with no recourse to petition;

4. Submission of appropriate documentation verifying knowledge of a language other than English or Spanish at either the 1102 or second semester (or equivalent) level.

Requirements for Graduation

1. Advancement to candidacy;
2. Successful completion of 31 semester units of acceptable graduate work with at least 23 units completed at CSUSB. All course work taken at other institutions must be approved by the Graduate Committee;
3. An overall GPA of at least 3.0 ("B") in all graduate-level course work;
4. Successful completion of SPAN 6615;
5. Successful completion of Culminating Experience: SPAN 6695, SPAN 6696, SPAN 6697, and SPAN 6698;
6. The graduation writing requirement is met upon the successful completion of SPAN 6698

Degree Requirements (31 units)

Hispanic Literature, Linguistics, and Civilization (Program Code: SLLC)

Designed for students who wish to pursue an in-depth study of Spanish, Spanish American, and Latino literatures along with Spanish linguistics, and to prepare students for further advanced study.

Core Courses (16)

SPAN 6606	Research Methods	3
SPAN 6608	History of the Spanish Language	3
SPAN 6615	Second Language Acquisition in Spanish	3
SPAN 6625	Spanish Peninsular Literature	3
SPAN 6630	Spanish American Literature	3
SPAN 6661	Graduate Portfolio	1

Electives (12)

Twelve units of Electives (four of the following courses)		12
SPAN 6620	General Spanish Linguistics	
SPAN 6650	Spanish Peninsular Literature and Culture	
SPAN 6651	Spanish American Literature and Culture	
SPAN 6652	Modern Spanish American Literature	
SPAN 6653	Contemporary Chicano/Latinx Literature in Spanish	
SPAN 6654	Modern Spanish Peninsular Literature	
SPAN 6655	Spanish Applied Linguistics	
SPAN 6656	Spanish Semantics and Pragmatics	

Three units of Culminating Experience (3) 3

Total Units 31

Culminating Experience (3 units)

Culminating Experience (3)

SPAN 6695	Comprehensive Exam Preparation: Spanish Literature	1
SPAN 6696	Comprehensive Exam Preparation: Spanish American Literature	1
SPAN 6697	Comprehensive Exam Preparation: Spanish Linguistics	1

SPAN 6698	Comprehensive Examination	0
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Total Units		3

DRAFT 9/2019

Master of Arts in Teaching English to Speakers of Other Languages (TESOL)

Pending CO Approval

The Master of Arts in TESOL prepares educators to meet the needs of English learners in classrooms both in the United States and abroad. We specialize in English teaching in K-12 and adult education contexts. The program offers the knowledge, skills and practices needed to effectively design instruction, teach and assess English learners, and advocate for multilingual/ multicultural students. The teaching of English around the world is one of the fastest-growing international professions and offers worldwide English teaching opportunities to qualified graduates. Courses in teaching methods and supervised fieldwork opportunities provide a broad overview of theories of language acquisition and social/cultural influences on language learning, and strengthen the mastery of classroom techniques.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A cumulative grade point average of 3.0 ("B");
2. A maximum of 9 semester units or equivalent quarter units may be transferred from other colleges and universities.

Advancement to Candidacy

In order to be advanced to candidacy, a student must have:

1. Achieved classified standing;
2. Between the time of completing 4 units and 18 semester units of applicable course work the student is required to apply for advancement to candidacy.
3. Secured approval of candidacy from the College of Education;
4. Filed an approved graduate program for completion of the degree. This must be prepared in consultation with an advisor and approved by the Program Coordinator;
5. Students who completed their Bachelor's degree in an English-speaking country must have two semesters or three quarters of study in one or more world languages (not English) at the post secondary level or take COMM 1006.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable graduate-level work, with a minimum of 26 units completed in residence at this university;
2. A grade point average of 3.0 ("B") in all course work taken to satisfy the Master of Arts degree requirements, and grades of "C" (2.0) or better in all courses in the program;
3. Successful completion of EESL 6980.
4. The graduation writing requirement is met upon successful completion of 3a or 3b above;

5. Completion of the Candidate Assessment Portfolio. Details of the Candidate Assessment Portfolio approval process are outlined in the program information materials. The Portfolio must be completed prior to enrollment in EESL 6980.

The program may not include more than 9 semester units in approved extension and transfer courses from other colleges. California State University, San Bernardino will not consider for transfer credit course work from an institution which will not accept that work in its own advanced degree program.

Note: Enrollment in any course in the program is subject to approval of the program coordinator.

Degree Requirements (30 units)

EESL 5050	Graduate Writing for TESOL	3
EESL 5200	Language Studies for Educators	3
EESL 5300	Technology-Enhanced Language Learning	3
EESL 5500	Listening and Speaking Methods in TESOL	3
EESL 6300	Crosscultural Teaching	3
EESL 6400	Literacy in TESOL	3
EESL 6600	Structure, Function and Acquisition of English	3
EESL 6700	Principles and Practice in TESOL	3
EESL 6800	Research in TESOL	3
EESL 6900	Fieldwork: Teaching English to Speakers of Other Languages	3

Culminating Experience (0)		0
Total Units		30

Culminating Experience (0 units)

EESL 6980	Comprehensive Examination in TESOL	0
Total Units		0

The written comprehensive examination is designed to test the student's knowledge of the field of Teaching English to Speakers of Other Languages. The examination is offered once each quarter and during the summer session. The student may enroll in the examination no earlier than the last quarter in which course work is taken. The student may take the examination (or any part of it) up to three times. Approval to retake the examination may be, at any time, contingent upon completion of additional designated courses.

Master of Arts in Teaching-Mathematics

The Master of Arts in Teaching Mathematics (MAT) program is designed for single subject credential teachers who wish to deepen their mathematical knowledge for teaching as it applies to the secondary level.

Admission to the Program

In addition to the general requirements of the university, which include a baccalaureate degree from an accredited college, specific requirements for classification in the program are:

1. Successful completion with a grade of "B" (3.0) or better in course work deemed equivalent to the following courses at California State University, San Bernardino:

MATH 2220	Calculus II	4
MATH 2310	Applied Linear Algebra	4
	or MATH 2320 Multivariable Calculus	
MATH 3100	Mathematical Thinking: Communication and Proof	4
MATH 3329	Euclidean Geometry with Transformations	3
MATH 2265	Statistics with Applications	3

2. A teaching credential;
3. Submission of a completed Master of Arts in Teaching Mathematics (MAT) application form;
4. Three letters of recommendation, at least one of which addresses the applicant's educational background and at least one addressing the applicant's teaching practice;
5. Submission of a one- or two-page typewritten statement of the student's area of interest, preparation for study in this program and professional goals;
6. Approval by the Graduate Coordinator.
Students who do not meet these criteria may be admitted as conditionally classified graduate students following review by the Department of Mathematics and the College of Education.

Advising

Each graduate student must be advised by the graduate coordinator or other MAT faculty before enrolling in the program. Students will develop an appropriate course of study based on their preparation and interests in consultation with an advisor. The specific program must be approved by the MAT Graduate Committee prior to advancement to candidacy.

Advancement to Candidacy

In order to be advanced to candidacy, the student must:

1. Achieve classified status;
2. Submit a formal program of graduate work prepared in consultation with an advisor and approved by the MAT Graduate Committee;
3. Complete at least 10 units and not more than 18 units of applicable work as a graduate student at this university, with a grade point average of at least 3.0 ("B");
4. Complete a written paper in at least one of the following courses that achieves a satisfactory score on a departmental rubric

evaluating elements of scholarly writing and reflective practice: MATH 6301, MATH 6302, MATH 6303 or MATH 6304.

5. Gain final approval of the program and of the candidacy itself by the Dean of Graduate Students.

Requirements for Graduation

1. Advancement to candidacy for the degree;
2. A minimum of 30 units of acceptable graduate level work as specified below in the formal program;
3. No fewer than 24 units completed in residence at this university;
4. Completion of the appropriate culminating experience option, in accordance with the student's approved program plan as specified below:
 - a. Complete the MAT Candidates' Seminar (MATH 6309) and comprehensive exams (MATH 6980) designed by the Mathematics department. The student may enroll in the examination no earlier than the last term in which program coursework is taken. The student may take the examination two times. The student may petition the department for subsequent attempts in exceptional circumstances. Approval of such petitions may be contingent upon completion of additional designated courses.
 - b. Design and complete a research project (MATH 6951-6954 and MATH 6963) according to the Mathematics Department MAT Project Guidelines available from the graduate coordinator.
5. A grade point average of at least 3.0 ("B") in the core courses as well as an overall grade point average of 3.0 ("B") in the program, with no course grade being less than "B-";
6. The Graduate Writing Assessment Requirement is met through successful completion of MATH 6301-6304;
7. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Degree Requirements (30 units)

Program Code: MATM

Core courses (22)

MATH 6301	Algebra from a Teaching and Problem Solving Perspective	4
MATH 6302	Geometry from a Teaching and Problem Solving Perspective	4
MATH 6303	Advanced Concepts of Secondary Mathematics from a Teaching and Problem Solving Perspective I	4
MATH 6304	Advanced Concepts of Secondary Mathematics from a Teaching and Problem Solving Perspective II	4

ESTM 6134	Assessment in STEM Education	3
ESTM 6344	Research Methods in STEM Education	3

Culminating Experience (8) 8

Total Units 30

Culminating Experience (8 units)

Students must complete one of the following:

Project Option (8 units)

Two units chosen from:	2
MATH 6951 Graduate Independent Study	
MATH 6952 Graduate Independent Study	
MATH 6953 Graduate Independent Study	
MATH 6954 Graduate Independent Study	
EDUC 6952 Advanced Independent Study Topics in Education	
MATH 6963 Master of Arts in Teaching Mathematics Project or EDUC 6960 Masters Project	3

Electives (3)

Three units of 4000- to 6000- level mathematics courses that are applicable to the B.A. or B.S. in mathematics (non-teaching track) or MA in Mathematics and not previously applied to either degree. 3

Total Units 8

Examination Option (8 units)

MATH 6309 MAT Candidates' Seminar	4
MATH 6980 MAT Comprehensive Examination	0

Electives (4)

Four units of 4000- to 6000- level mathematics courses that are applicable to the B.A. or B.S. in mathematics (non-teaching track) or MA in Mathematics and not previously applied to either degree. 4

Total Units 8

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Master of Business Administration

The Master of Business Administration (MBA) program provides post-baccalaureate students with a high-quality masters-level education in the field of business administration. The program is designed to prepare promising students for positions of increasing responsibility and leadership through education in the broad scope of business. It is open to all qualified students regardless of undergraduate major. The degree program has two concentrations:

MBA - Traditional Concentration (36 or 42 units): For qualified applicants seeking to develop in-depth, graduate-level knowledge in one or more specialized business areas.

MBA - Executive Concentration (30 units): For qualified applicants possessing early- or mid-career experience who seek to expand their professional knowledge and skills through graduate business education. Also offered through the College of Extended and Global Education (<https://cel.csusb.edu/>).

Admission to the Program

Suitability for admission to the program will be based on an examination of the entire application package. In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

- 1. Bachelor's Degree:** A bachelor's degree from an accredited college or university, with required minimum GPA of 3.0 calculated using the entire degree or the last 60 semester (90 quarter) units, which may include post baccalaureate work. Students with GMAT/GRE scores and/or professional experience as defined below in item 7. Business Aptitude Requirement, may be permitted to join with a 2.5 GPA;
- 2. Personal Statement:** Academic motivation and personal qualifications demonstrated through submission of a 200-250 word statement of reasons for wishing to pursue the MBA at California State University, San Bernardino and personal qualifications that will contribute to successful completion of the program;
- 3. Resume:** Submission of a current resume;
- 4. Letters of Recommendation:** One letter of recommendation and an interview with the MBA office are required;
- 5. English Proficiency for International Students:** All international applicants who have not completed three years of full-time study at the secondary or post-secondary level where English was the language of instruction must also achieve an acceptable score, as determined by the MBA committee, ratified by the College Curriculum Committee, and in alignment with the Office of Graduate Studies requirements, on the Test of English as a Foreign Language (TOEFL), or the IELTS exam, or must complete CSUSB's ESL program. The current minimum acceptable TOEFL score is 550/PBT, 213/CBT, 79-80/IBT taken within the past two years; IELTS score of 6.5 taken within the past two years; or complete level 6 of CSUSB's Intensive English Program
- 6. Work Experience Requirement for Executive Concentration:** Minimum two years substantive work experience as indicated by the Business Aptitude Requirement below;
- 7. Business Aptitude Requirement:** Applicants for the MBA must meet one of the following Business Aptitude Requirements listed below:

A. Submission of an acceptable score on the Graduate Management Admission Test (GMAT) or Graduate Record Exam (GRE) as determined by the MBA committee, ratified by the College Curriculum Committee, and conforming with Office of Graduate Studies requirements. The current minimum acceptable GMAT score is 470 (with a minimum of 10% on both the GMAT Verbal and Quantitative percentile rankings). The current minimum acceptable GRE score of 298 (minimum 10% on GRE Verbal Ability and Quantitative Ability percentile rankings); or

B. Proof of completion of an accredited graduate degree (e.g. J.D., Ph.D., M.D) from an accredited college or university with a minimum GPA of 3.0 in the graduate program; or

C. Minimum two years of post-undergraduate professional (defined as exempt level) and/or managerial (defined as responsible for scheduling, hiring, firing, evaluating, developing and/or rewarding employees) experience; or

D. 3.2 cumulative GPA from an AACSB accredited undergraduate business program.

Advancement to Candidacy

To be advanced to candidacy, a student must have:

1. Achieved classified standing.
2. Successfully completed the Core/Foundation courses (ADMN 6010 with a "C" (2.0) or better and ADMN 6020 with a "B" (3.0) or better);
3. Successfully completed the MBA Boot Camps;
4. Successfully completed 12 units with a minimum of a 3.0 grade point average in the program;
5. Completed an approved graduate program plan in consultation with the MBA office;
6. Secured final approval of the MBA office.

Requirements for Graduation

1. A grade point average of 3.0 ("B") in all course work taken after admission to conditionally classified or classified status, and grades of "C" (2.0) or better in all courses in the program;
2. After successfully advancing to Candidacy and completing all core courses, students are able to register for the culminating experience courses (ADMN 6980 and ADMN 6981):
 - a. Successful completion of MBA Portfolio (ADMN 6980) which includes preparation and submission of a portfolio of course work. The portfolio includes a reflective essay showing how the portfolio demonstrates accomplishment of essential goals for the program.
 - b. Successful completion of Comprehensive Assessment (ADMN 6981) meets the culminating experience requirement.
3. Successful completion (a grade of "B" (3.0) or better) of ADMN 6020 meets the graduate writing requirement.
4. No more than 6 semester units of lower than 6000-level course work;
5. A minimum of 30 semester units for the Executive Concentration or 36 semester units for the Traditional Concentration of acceptable graduate-level work, consistent with the program plan (with a minimum GPA of 3.0);
6. At least 70% of the units for the degree are required to complete at California State University at San Bernardino;

7. Any additional general requirements not cited above but listed in Graduate Degree Program Requirements.
8. A "no credit" (NC) designation will be entered on the student's transcript if he/she fails the MBA Culminating Experience courses (ADMN 6980 and ADMN 6981). Students who do not receive a passing grade on the first attempt must petition the MBA office for permission to retake the MBA Culminating Experience courses.
9. Students wishing to change from one concentration to another must reapply to the desired option, meeting all admission requirements.

Degree Requirements (30-42 units)

Core/Foundation (6)

ADMN 6010	Data-Driven Decision Making	3
ADMN 6020	Advanced Managerial Communications	3

Core/Essentials (21)

ACCT 6060	Accounting for Managerial Decision-Making	3
FIN 6020	Financial Theory and Corporate Finance	3
IST 6090	Information Systems and Technology Management	3
MGMT 6010	Organization Theory and Behavior	3
MGMT 6850	Strategic Management	3
MKTG 6050	Marketing Management	3
SCM 6070	Managing the Supply Chain	3

Culminating Experience (0)

Concentration (3-15)

Students must satisfy the requirements of one of the concentrations listed below.

Total Units 30-42

Culminating Experience (0 units)

ADMN 6980	MBA Portfolio	0
ADMN 6981	Comprehensive Assessment	0

Total Units 0

Concentrations (3-15 units)

Traditional Concentration (9-15 units)

Students must choose and complete one of the following focus areas within the traditional concentration.

Focus Areas:

Accounting (9 units)

ACCT 6100	Financial Reporting and Disclosure	3
ACCT 6150	Controllershship and Professional Ethics	3

Three units chosen from any JHBC graduate level course (5000 level or above)

Total Units 9

Cyber Security (15 units)

IST 6470	Database Management and Policies	3
IST 6480	Information Networking Systems and Security	3
IST 6700	Cybersecurity Policy and Risk Management	3
IST 6720	Cyber Defense and Vulnerability Analysis	3

IST 6730	Cybersecurity Theory and Practice	3
Total Units		15

Entrepreneurship (9 units)

Six units from the following courses: 6

ENTR 5450	Resources for the Entrepreneur	
ENTR 6210	Entrepreneurship and New Ventures	
ENTR 6230	Exploring Entrepreneurial Opportunities	

Three units chosen from any JHBC graduate level course (5000 level or above), including the one course not taken above.

Total Units 9

Finance (9 units)

Six units from the following courses: 6

FIN 6510	Financial Institutions and Markets	
FIN 6530	Investment Analysis and Portfolio Management	
FIN 6540	International Finance	

Three units chosen from any JHBC graduate level course (5000 level or above), including the one course not taken above.

Total Units 9

Global Supply Chain Management (9 units)

Six units from the following courses: 6

SCM 5150	Project Management	
SCM 6110	Global Supply Chain Management and Logistics	
SCM 6600	Transportation and Supply Chain Management	

Three units chosen from any JHBC graduate level course (5000 level or above), including the one course not taken above.

Total Units 9

Management (9 units)

Six units from the following courses: 6

MGMT 6410	Human Resource Management	
MGMT 6500	International Management	
MGMT 6550	Leadership as Art and Science	

Three units chosen from any JHBC graduate level course (5000 level or above), including the one course not taken above.

Total Units 9

Marketing (9 units)

Six units from the following courses: 6

MKTG 6100	Consumer and Organizational Buying Behavior	
MKTG 6400	Advanced Marketing Research	
MKTG 6900	Marketing Strategy	

One additional elective chosen from any JHBC graduate level course (5000 level or above), including the one course not taken above.

Total Units 9

Interdisciplinary (9 units)

Six units from any of the required courses listed in any of the other focus areas above. 6

Three units from any JHBC graduate level course (5000 or above). 3

Total Units 9

Executive Concentration (3 units)

(Also offered through the College of Extended and Global Education (<https://cel.csusb.edu/>.)

Three units from any of the courses listed in the Traditional Concentration Focus Areas or from the MBA Electives listed below chosen in consultation with the MBA office. 3

ADMN 5753	Internship
ADMN 5755	Internship
ADMN 6753	Internship
ADMN 6755	Internship
ADMN 6910	Advanced Topics in Administration
ADMN 6915	Advanced Topics in Administration
ADMN 6920	Advanced Topics in Administration
ADMN 6930	Advanced Topics in Administration
ADMN 6951	Directed Graduate Studies
ADMN 6952	Directed Graduate Studies
ADMN 6953	Directed Graduate Studies

Total Units 3

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Master of Fine Arts in Studio Art

The Master of Fine Arts in Studio Art provides rigorous study for students with a strong direction and focus in art and a high level of technical proficiency. The program provides advanced study and practice in preparation for professional careers in studio art or teaching in higher education. Graduates will be prepared to take their place in the visual arts community and make significant contributions to our visual culture. The program focuses on creative studio work, supplemented by art history and theory, professional and critical writing, graduate studio critiques, professional development, studio electives and/or independent study.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate standing are:

1. A baccalaureate degree from an accredited institution with a minimum of 30 semester units of upper-division art courses comparable to those required of a major in art at this university. The Art Department determines which courses are comparable.
2. Completion of a minimum of 14 semester units of upper-division studio art.
3. Completion of a minimum of 14 semester units in art history; a minimum of 5 should be upper-division units, and at least one course that is equivalent to AH 4250 and/or AH 5250.
4. A grade point average of 3.0 ("B") or better in all art courses taken.
5. Admission to the program will additionally be based upon evaluations by the Art Department graduate committee of the following items:
 - a. A portfolio displaying a comprehensive body of work with strong technical abilities and potential for a clear direction in graduate study. A portfolio consists of 15 images of the applicant's artwork in the form of a single PDF. The portfolio needs to be accompanied by a typed list of artworks with the applicant's name, and title, medium, size and date for each artwork.
 - b. A 500 word "Statement of Purpose" describing the conceptual and technical aspects of the artwork and the applicant's reason for seeking graduate studies in art. This statement should also demonstrate applicant's knowledge of historical and contemporary art in relation to their work. This statement should be carefully crafted and will be used to evaluate the student's writing ability and critical thinking skills.
 - c. Three letters of recommendation supporting the student's application. Letters should be from professionals and/or educators in the field able to assess the student's competence and to make relevant comments on the student's likely success in a graduate art program.

Applicants who have satisfied the general requirements for admission, but who have deficiencies in prerequisite preparation which can be met by specified additional preparation may be admitted to the program with conditionally classified standing. Deficiencies must be made up as early in the program as possible, normally within the first 8 units after conditional admission.

They will be advanced to classified standing when the Art Department graduate coordinator certifies that they have satisfied all appropriate requirements.

Applications to the M.F.A. in Studio Art program are reviewed annually for Fall admission. There are two admission applications, one to the University (primary application) and one to the Art Department (secondary application). The secondary application deadline is January 15. Please note that this may differ from University application deadlines. The secondary application, when the portal is live, can be submitted here:

<https://csusb.infoready4.com/CompetitionSpace/#homePage>

Contact the Art Department graduate coordinator for further information.

Graduate Teaching Assistantships

Students interested in university teaching are encouraged to apply for a Graduate Teaching Assistantship. This competitive program offers first and second year students teaching assistant opportunities with professors in lower division studio and foundation courses. After the practicum (and ART 6630) is successfully completed, the second and third year students have the opportunity for a paid position as a Teaching Associate, pending adequate enrollment.

Advancement to Candidacy

Candidacy denotes that the student is fully qualified to complete the final stages of the Master of Fine Arts in Studio Art program and is thus eligible to enroll in ART 6695 Master's Project in Studio Art. To be formally advanced to candidacy, the student must have:

1. Completed the Writing Requirement for Graduate Candidacy (WRGC) which is the successful completion of ART 6617 with a grade of 'B' or better.
2. Achieved classified status.
3. Been accepted by an advisor to supervise the course of study.
4. Completed, with the approval of the Art Department graduate coordinator, at least 20 semester units of applicable course work at this university, and achieved a minimum grade point average of "B" (3.0) or better.
5. Successfully completed an advancement review conducted by the Department of Art graduate committee and graduate coordinator.
6. Filed a program of graduate course work prepared in consultation with the student's advisor and approved by the Art Department graduate coordinator.

Requirements for Graduation

1. A minimum of 60 semester units of approved graduate level work, with at least 41 completed at this university.
2. A GPA of at least 3.0 ("B") in all courses taken to satisfy the Master of Fine Arts degree requirements.
3. Completion and exhibition of an acceptable project, and submission of a report and documentation of the project approved by the student's graduate committee and the Art Department graduate coordinator.
4. The Graduation Writing Assessment Requirement is met upon successful completion of the extensive written artist statement that is developed in ART 6630 and that accompanies the Master's Project in ART 6695.
5. Any general requirements not cited above for graduate degrees and noted in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Degree Requirements (60 units)

ART 6604	Graduate Studio in Art	15
ART 6620	Graduate Studio Critique	18
ART 6617	Graduate Seminar in Critical Theory and Methodology	3
ART 6618	Graduate Seminar in Contemporary Art Issues and Practices	3
ART 6630	Graduate Seminar in Professional Practices	3
Required Art History Electives (to be approved by the graduate coordinator.)		6
Nine units of electives appropriate to the student's goals. Courses may be chosen from upper-division offerings of any department in the university subject to prior approval by the student's area advisor and the Art Department graduate coordinator.		9
Culminating Experience		3
Total Units		60

Culminating Experience (3 units)

ART 6695	Master's Project in Studio Art	3
Total Units		3

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Master of Public Administration

The Master of Public Administration (MPA) is a broad program designed to prepare students for careers in public and non-profit service. The degree provides the student with a generalist perspective of public administration, including tools of strategic planning, budgeting, decision-making, human resource management, an understanding of the democratic governance system, and a capacity to work in the public environment.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to the MPA degree program are:

1. A bachelor's degree from an accredited college or university;
2. A grade point average of 3.0 or above for the last 60 semester units (or 90 quarter units) of course work including post-baccalaureate courses. Students with a gpa of 2.75-2.99 may be admitted after review of scores from the Graduate Record Examination (GRE).
3. Public Service employment experience. Students without public service employment experience must complete an internship before being advanced to candidacy.
4. Academic motivation and personal qualifications demonstrated through submission of a 200-250 word statement of purpose for pursuing the MPA at California State University, San Bernardino.

No more than 9 semester units of graduate credit earned in unclassified/conditionally classified standing may be counted toward meeting the requirements for the degree.

Advancement to Candidacy

To be advanced to candidacy, a student must have:

1. Completed the Graduate Entrance Writing requirement through passing the writing intensive PA 6110 with at least a "B-" grade.
2. Completed at least 15 semester units of applicable graduate-level course work at the university, with a minimum grade point average of "B" (3.0);
3. Completed an approved graduate program plan in consultation with an MPA adviser.
4. Have evidence of Public Service employment experience or completion of PA 6755 Internship
5. Secured the approval of candidacy from the MPA Graduate Director and the Dean of Graduate Studies.

Requirements for Graduation

1. 36 semester units consistent with the program plan, with at least 27 units completed at CSUSB;
2. Successful completion of the required core, selected concentration and required elective courses as outlined in the curriculum section;
3. A cumulative grade point average of "B" (3.0) in MPA course work and grades of "C" (2.0) or better in all courses applied to the degree;
4. Completion of the Public Administration Capstone PA 6550 with a "B" (3.0) or higher grade.

5. Satisfactory completion of two semesters of PA 6985 Professional Development Seminar.
6. Successful completion of an integrative comprehensive examination. Students who do not receive a passing grade may, with the written approval of the MPA Graduate Coordinator, repeat the examination, one additional time only. Only students who have been advanced to candidacy, have completed their core and concentration classes, and have a 3.0 or higher cumulative GPA may take the examination.
7. MPA students satisfy the graduation writing requirement through successful completion of the comprehensive examination.

Degree Requirements (36 units)

(Program Code: PAM_)

PA 6030	Research Methods in Administration	3
PA 6110	Public Administration Theory and Practice	3
PA 6620	Human Resource Management in the Public Sector	3
PA 6630	Public Budgeting and Finance	3
PA 6640	Management of Public Organizations	3
PA 6800	Public Policy Analysis	3
PA 6985	Professional Development Seminar	0
Students must take two semesters of PA 6985		
Culminating Experience (3)		3
Concentration (15)		
Students must satisfy the requirements of one of the concentrations listed below		15
Total Units		36

Students may not include more than 9 semester units in transfer credit from other colleges. California State University, San Bernardino will not consider transfer credit course work from any institution which will not accept that work in its own advanced degree program.

Culminating Experience (3 units)

PA 6550	Capstone: Strategic Planning for Government and Nonprofit Organizations	3
PA 6980	Comprehensive Examination	0
Total Units		3

Students must have completed all core classes and have a cumulative GPA of 3.0 or above in order to take the Comprehensive Exam. In addition to the exam, PA 6980 requires completion of an exit survey, a reflective essay and approved career development activities.

Concentrations (15 units)

Cyber Security Concentration (15 units)

(Program Code: PACS)

IST 6090	Information Systems and Technology Management	3
IST 6470	Database Management and Policies	3
IST 6700	Cybersecurity Policy and Risk Management	3
IST 6730	Cybersecurity Theory and Practice	3

IST 6890	Enterprise Architecture Planning, Strategy, Security and Policy	3
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Total Units		15

Leadership Concentration (15 units)

(Program Code: PALD)

PA 5010	Administrative Leadership	3
PA 6500	Government in the Digital Age	3
PA 6720	Administrative Regulation	3
Two electives (6 units) selected from any 5000 or 6000 level PA non-core class.		6
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Total Units		15

Public Financial Management Concentration (15 units)

(Program Code: PAFM)

PA 6150	Public and Nonprofit Financial Management	3
PA 6300	Program Evaluation	3
PA 6610	Principles of Public and Nonprofit Procurement	3
Two electives (6 units) selected from any 5000 or 6000 level PA non-core class.		6
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Total Units		15

Nonprofit Leadership Concentration (15 units)

(Program Code PANP)

PA 5140	Nonprofit Management and Leadership	3
PA 5150	Executive Nonprofit Leadership	3
PA 5170	Nonprofit Fundraising and Grantwriting	3
Two electives (6 units) selected from any 5000 or 6000 level PA non-core class.		6
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Total Units		15

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Master of Public Health

The Master of Public Health program is a CEPH accredited program that is appropriate for health professionals furthering their careers as health educators, supervisors, leaders, and administrators in public health settings including county, state, and federal health agencies, as well as community-based organizations, healthcare organizations, and public institutions dedicated to the improvement of population health. The purpose of the MPH program is to prepare professionals to develop knowledge and skills to identify, assess, evaluate, and resolve public health problems with competence in program planning, implementation, and evaluation.

Specific entrance requirements have been established by the University and the Department of Health Science and Human Ecology. Further information and application materials are available on the department web pages.

Admission to the Program

In addition to the general requirements of the University, specific requirements for admission to classified graduate status are:

1. Meet all university admissions requirements.
2. A minimum grade point average of 3.0 ("B") in the last 60 semester units of undergraduate coursework and in all post-graduate coursework;
3. Undergraduate coursework in the natural and social sciences, including those focused on diversity and population health;
4. A copy of most recent resume or *curriculum vitae*;
5. Three letters of recommendations that highlight the applicant's (1) academic ability and potential to succeed in the graduate program and (2) professional experiences that make the candidate ideal for public health. At least one letter of recommendation must be from the coordinator/director or an instructor from the school where applicant most recently completed coursework that highlights how the student met the standards of the undergraduate program (if such a coordinator/director does not exist, a faculty member may write such a letter);
6. A statement of purpose, double-spaced and 2-3 pages maximum, detailing: (1) practical experience(s) in public health and how it relates to the program (this is weighted most), (2) academic experience(s) in public health or related field, (3) immediate and long-term professional goals and how that relates to the program, (4) reasons for being interested in the MPH program, and (5) key skills the applicant can bring to the program.
7. Writing sample based on a public health topic of interest to the applicant, typed, approximately 1,000 words, double-spaced, with appropriate references (not counted in the word limit). The writing sample should highlight the applicant's basic understanding of community health needs, epidemiology, and application of public health concepts to solve population health issues.

The admissions committee evaluates the applicant as a whole package, including grade point average, letters of recommendation, and other supporting documents. Majority of emphasis and priority, however, is given to public health experiences beyond those required by curriculum, such as externship, employment, etc. that highlight the applicant's ability to be successful in the field, in addition to grade point average in core public health or related courses.

Students accepted as conditionally classified can attain fully classified status by completing at least 10 semester units of MPH core coursework with a minimum grade point average of 3.0 ("B") and must remove any deficiencies stated as conditions for acceptance into the program or otherwise set by the department's admissions committee.

Advancement to Candidacy

Candidacy will be granted to students based on:

1. Achieving classified status;
2. Completion of 20 semester units towards the MPH with a minimum grade point average of 3.0 ("B") and a B (3.0) or higher in all required coursework;
3. Submitting a formal program of study of graduate coursework prepared in consultation with the MPH program director and receiving recommendation for candidacy;
4. Completing the Writing Requirement for Graduate Candidacy (WRGC) which will be satisfied by completion of a program-specific course upon discussion with advisor.

Requirements for Graduation

1. Advancement to candidacy for the degree and approval of the specific program of study;
2. A cumulative grade point average of 3.0 ("B") or better, in all graduate course work fulfilling the requirements of the Master of Public Health and grades of "B" (3.0) or better in all coursework;
3. A minimum of 42 semester units of approved graduate-level coursework included in the formal program, with at least half of the units required for the degree gained from 6000-level courses in Health Science and Human Ecology (HSCI), a minimum of 30 units must be completed at this university;
4. Completion of all program requirements, including culminating experience;
5. The Graduate Writing Assessment Requirement is met by completion of a program-specific course in consultation with an advisor.

Degree Requirements (42 units)

(Program Code: PHLT)

Core courses (34)

HSCI 6200	Professional Development and Leadership in Public Health	4
HSCI 6210	Advanced Biostatistics for Public Health	4
HSCI 6220	Advanced Topics in Epidemiology	4
HSCI 6230	Advanced Topics in Environmental and Occupational Health	3
HSCI 6240	Advanced Study in Health Promotion	4
HSCI 6250	Advanced Topics in Public Health Policy and Administration	4
HSCI 6260	Health Education Program Planning and Evaluation	4
HSCI 6280	Grant Writing for Health Sciences	4
HSCI 6390	Advanced Professional Development and Leadership in Public Health	2
HSCI 6410	Project Preparation	1

Electives (4)

Four units chosen from: 4

HSCI 6310	Health Education Practice	
HSCI 6320	Advanced Topics in Epidemiological Methodology	
HSCI 6330	Advanced Topics in Health Science and Human Ecology	
HSCI 6340	Information Literacy in Public Health	
HSCI 6350	Infectious Disease Burden in US	
HSCI 6360	Qualitative Methods in Public Health	
HSCI 6370	Survey Design in Public Health	
HSCI 6400	Health Science Data Science	
HSCI 6954	Field Experience	
Culminating Experience (4)		4
Total Units		42

Culminating Experience (4 units)

HSCI 6960	Project	4
Total Units		4

Students complete an integrative learning experience that demonstrates synthesis of foundational and concentration competencies. In consultation with program director and faculty, students select specific competencies appropriate for students' educational and professional goals.

DRAFT 9/2019

Master of Science in Accountancy

The Master of Science in Accountancy (MSA) prepares students for a wide range of employment opportunities in public accounting, industry, finance, government and nonprofit organizations, and higher education. The program is designed to prepare graduates who 1) possess knowledge and skills in professional accounting, 2) can successfully pursue professional certifications (e.g., CPA, CMA, CIA), 3) are capable of becoming leaders who exhibit high standards of professional ethical conduct, and 4) are interested in pursuing doctoral and research studies.

The Master of Science in Accountancy (MSA) 3:2 Option is a variant of the regular MSA program. It provides CSUSB accounting students with an accelerated route to a graduate degree, with simultaneous awarding of both bachelor's and master's degrees. The 3:2 Option allows students to earn graduate credit for several elective courses taken during the junior and senior years, effectively decreasing the summed unit requirement for both degrees. The 3:2 Option provides a seamless process whereby students can progress from undergraduate to graduate status.

Admission to the MSA 3:2 Option is by invitation from the Department of Accounting and Finance.

Student admitted to 3:2 MSA can transfer credits of up to three 5000 level courses, ACCT 5440, ACCT 5360, and ACCT 5390) to graduate program from undergraduate program.

Admission to the MSA program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are

1. A bachelor's degree from an accredited college or university;
2. Business Aptitude Requirement: Applicants for the MSA must meet one of the following Business Aptitude Requirements listed below:
 - a. Submission of an acceptable score on the Graduate Management Admission Test (GMAT) or Graduate Record Exam (GRE) as determined by the department. The current minimum acceptable GMAT score is 470 (with a minimum of 10% on both the GMAT Verbal and Quantitative percentile rankings). The current minimum acceptable GRE score of 298 (minimum 10% on GRE Verbal Ability and Quantitative Ability percentile rankings); or
 - b. Proof of completion of a degree from an AACSB accredited college or university or Online Accounting Certificate Program (at CSUSB) with a minimum GPA of 3.2; or
 - c. Upon meeting other GMAT or GRE waiver criteria as set by the department.
3. Recent CSUSB accounting graduates who meet admission requirements for the 3:2 Program option may request a GMAT waiver. Contact the MSA Director or department chair for details;
4. Completion of the graduate entrance writing requirement;
5. Academic motivation and personal qualification demonstrated through submission of a 200-250 word statement of reasons for wishing to pursue the M.S. degree in Accountancy at California State University, San Bernardino, and personal qualifications that will contribute to successful completion of the program;
6. Competence in the following prerequisite courses or their equivalents.

ACCT 2110	Introductory Accounting I	3
ACCT 2120	Introductory Accounting II	3
ACCT 3470	Management Accounting and Ethics in Business	3
ACCT 3720	Intermediate Accounting I	3
ACCT 3730	Intermediate Accounting II	3
ACCT 4260	Introduction to Taxation	3
ACCT 4400	Financial Statement Auditing	3
MGMT 2300	Legal Environment of Organizations	3

NOTE: Competence in the above prerequisite courses may be demonstrated by:

- Formal completion of the course or its equivalents
- Credit by examination
- Waiver based on specialized work experience; must have documentation of work directly related to course to be waived; and must be approved by the MSA Coordinator or department chair. (Students requesting waiver of any prerequisite courses must petition the MSA Director or department chair. Inquiries about a challenge examination or substitution for the upper level writing requirement should be directed to the Dean of Graduate Studies.

Students who meet all entrance requirements except course prerequisites may be admitted to the program in a conditionally classified status until those prerequisite deficiencies are removed, at which time they will be advanced to classified graduate standing in the program. Only fully classified students, however, may enroll in 6000-level courses unless they have written consent from the MSA Director or department chair.

Admission to the MSA 3:2 program

In addition to the general requirements of the university, specific requirements for being invited into the MSA 3:2 Option are:

1. Invitee must be a CSUSB accounting student with at least a junior year academic standing;
2. Invitee must have completed the four course performance review sequence (ACCT 3150, ACCT 3470, ACCT 3720 and ACCT 3730) with an average grade point for the course sequence of 3.0 or higher;
3. Invitee must earn a B (3.0) in the upper-level writing requirement;
4. Invitee's overall CSUSB grade point average (GPA) should be 2.75 or higher.

Students who accept invitation into the MSA 3:2 Option program shall be considered as achieving conditionally classified status and shall get a waiver from the GMAT exam requirement for admission to the MSA degree program. Conditionally classified status will become classified status upon the completion of requirements for the BA in Accounting degree.

Advancement to Candidacy

To be advanced to candidacy, a student must have

1. Achieved classified standing;
2. Completed at least 9 semester units of applicable graduate-level course work at the university, with a minimum grade point average of 3.0 ("B");

- Completed an approved graduate program plan in consultation with the MSA Director or department chair after completion of four 5000-level accounting electives.

Requirements for Graduation

- A minimum of 31.5 semester units of acceptable graduate-level work, consistent with the program plan (with a grade point average of 3.0), with at least 22.5 semester units completed at the university;
- At least 23 semester units of 5000-6999-level course work;
- At least 15 semester units of credit taken after advancement to candidacy for the degree;
- Successful completion of the required core courses and elective option as outlined in the curriculum section;
- A grade point average of 3.0 ("B") or better in all course work taken after admission to conditionally classified or classified status, and grades of 2.0 ("C") or better in all courses in the program;
- After advancement to candidacy and completion of all course requirements except the culminating experience and one of MSA required courses, students must complete ACCT 6960;
- The graduation writing requirement is met upon successful completion of the culminating experience;
- Any additional general requirements not cited above and listed in the Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>) section of this bulletin.

A "No credit" (NC) designation will be entered on the student's transcript if they fail the culminating experience requirement. Students who do not receive a passing grade on the culminating experience requirement on the first attempt must petition the MSA Director or department chair for permission to retake the culminating experience requirement. Only students who are in classified status, have been advanced to candidacy, have obtained approval of the MSA Director or department chair, and are not on probation may retake the culminating experience requirement.

Degree Requirements (31.5 units)

(Program Code: ACPR, Program Code for Online Option: ACCO)

Required Course: (18) 18

ACCT 6100	Financial Reporting and Disclosure
ACCT 6150	Controllershship and Professional Ethics
ACCT 6200	Internal Auditing and Management Controls
ACCT 6300	Advanced Tax Topics: Corporate Taxation
ACCT 6420	International Accounting
ACCT 6500	Advanced Financial Reporting Seminar

Elective Courses (12) 12

Minimum of 12 elective units chosen from list below in consultation with the MSA Director or department chair.

ACCT 5360	Corporate and Partnership Taxation
ACCT 5390	Advanced Accounting
ACCT 5410	EDP Auditing and Control
ACCT 5440	Accounting Law, Ethics and Institutions
ACCT 5680	Accounting for Government and Not-for-Profit Organizations
ACCT 5753	Accounting Internship
ACCT 5755	Internship

ACCT 5915	Seminar in Accounting
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ACCT 5930	Seminar in Accounting
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ACCT 5951	Independent Study
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ACCT 5952	Independent Study
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ACCT 5953	Independent Study
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ACCT 5955	Independent Study
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Culminating Experience: (1.5)	1.5
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Total Units	31.5
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Graduate-level elective courses offered by other departments within the College of Business and Public Administration require approval of the MSA Director or department chair for course substitution.

Students may not take more than a total of 6 semester units in any combination of College of Business & Public Administration 5953, 5955, 5753, 5755, 5915, 5930, 6753, and 6755 courses. The program may not include more than 9 semester units in transfer credit from other universities. CSUSB will not consider for transfer, credit course work from any institution which will not accept that work in its own advanced degree program.

Culminating Experience (1.5 units)

ACCT 6960	MSA Project	1.5
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Prerequisites – advancement to candidacy approval of department, completion of course work in the master's program and in good academic standing. May be taken any term after advancement to candidacy. MAS project is a significant undertaking appropriate to the fine and applied arts or to professional fields. It evidences originality and independent thinking, appropriate form and organization, and a rationale. It is described and summarized in a written abstract that includes the project's significance, objectives, methodology and a conclusion or recommendation.

Total Units	1.5
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Master of Science in Biology

The Master of Science in Biology is designed to provide the flexibility required to develop specific course programs and acceptable thesis research proposals based upon the individual graduate student's interests and background. The general goal of the program is to provide the student with opportunity for improvement of competence, development of the ability to continue self-directed study, and development of intellectual responsibility in preparation for professional leadership in biology.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. Admittance into the program **requires** acceptance into the research laboratory of a full-time faculty member in Biology who will serve as the student's thesis advisor. Applicants are encouraged to contact prospective advisors *before* submitting your application regarding the availability of Master student positions;
2. Baccalaureate degree in biology or a related field from an accredited institution of higher learning;
3. Cumulative Grade Point Average (GPA) of at least 3.0 in all biology and supporting coursework in chemistry, physics, and mathematics;
4. Submission of scores on the Graduate Record Examination (GRE) General test. Scores are used in the evaluation process;
5. Submission of a one-page, typewritten personal statement to the Department of Biology Graduate Committee. Statement should include the student's preparation for graduate study, goals in the graduate training program, potential area of research and possible advisor, and professional goals following completion of the M.S.;
6. Submission of three letters of recommendation from people who are in a position to make relevant comments on the student's intent and potential for success in the M.S. program. At least two of the letters should be from current or former college or university faculty familiar with the student's scholarship and related activities.

Application deadlines for fall admission is March 31.

Advancement to Candidacy

In order to be advanced to candidacy, the student must have:

1. Achieved classified status;
2. Been accepted by a major advisor from the Department of Biology;
3. Completed at least 8 semester units of work applicable to the degree program as a graduate student at this university with the approval of the student's Thesis Graduate Committee, and with a minimum grade point average of 3.0 ("B");
4. Received recommendations for advancement to candidacy from the major advisor and from the Thesis Graduate Committee;
5. Submitted a formal program of graduate course work prepared in consultation with and approved by the student's Thesis Graduate Committee;

6. Approval of a written thesis proposal in conjunction with the completion of BIOL 6940. The graduate writing requirement is met upon successful completion of the written thesis proposal.
7. Gained final approval of the program and of the candidacy itself by the Dean of Graduate Studies.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable graduate-level work included in the formal program, with no less than 21 units completed in residence at this university;
2. Advancement to candidacy for the degree and approval of the specific program of courses;
3. A grade point average of 3.0 ("B") in all graduate course work fulfilling the requirements of the Master of Science in Biology and grades of "C" (2.0) or better in each course in the program;
4. Completion of a final oral examination (thesis defense) and acceptance of the written thesis, approved by the student's Thesis Graduate Committee and Dean of Graduate Studies;
5. The Graduate Writing Assessment Requirement is met through successful completion of the thesis proposal;
6. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Thesis Graduate Committee and Major Advisor

The Thesis Graduate Committee consists of the graduate student's major advisor and two or more CSUSB Biology faculty members. Although a student must have three CSUSB Biology faculty, additional committee members from external Departments and/or Universities may be included. Students are advised to form a Thesis Graduate Committee early and meet most semesters as this committee has general supervision over a student's progress toward the Master's degree.

It is **required** for students to enter the program with the support of a major advisor. Therefore, students are responsible for contacting potential major advisors and encouraged to do so before applying to the program. The student in consultation with the major advisor will develop a program of specific courses and an acceptable thesis research proposal. The program plan and thesis proposal, as well as any subsequent modification, must be approved by the Thesis Graduate Committee and the Dean of Graduate Studies to advance to candidacy. Degree is granted upon completion and acceptance of the final thesis by the major advisor, Thesis Graduate Committee, and the Dean of Graduate Studies.

Students currently enrolled in the graduate program wishing to take courses off campus towards their graduate degree must petition the Department of Biology for approval through the graduate program coordinator and the Graduate Committee.

Upper division undergraduate level courses (course numbers 3010-4999) will only be applied towards Graduate course work with written approval of the department.

Repetition of courses requires approval of the Department of Biology Graduate Committee.

Degree Requirements (30 units)

(Program Code: BIOM)

BIOL 5010	Ethics in Biological Research	1
BIOL 5050	Biostatistics and Experimental Design	4

Students who have completed BIOL 5010 or BIOL 5050 at the undergraduate level may substitute any other 5000- or 6000-level course, selected in consultation with their thesis advisor, to meet the unit requirements of the degree.

BIOL 6020	Professional Writing in the Biological Sciences	2
BIOL 6030	Presentation in Biological Sciences	1
BIOL 6100	Primary Literature in Biology	1
BIOL 6930	Supervised Graduate Research in Biology	1
BIOL 6940	Thesis proposal	3

Three units of Independent Graduate Research in Biology (from BIOL 6951, 6952, 6953, 6954, 6955, and/or 6956)	3
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Two units selected from Biology courses numbered 6300-6490.	2
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Nine units of electives to be chosen from courses in biology or related fields. Courses taken outside the department to fulfill these electives require prior approval of the Graduate Committee and thesis advisor. A maximum of three units from any combination of independent study and independent research courses, taken in addition to the required Independent Graduate Research, may be applied toward these electives.	9
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Culminating Experience (3)	3
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Total Units	30
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Culminating Experience (3 units)

BIOL 6970	Graduate Thesis	3
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Total Units	3
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Proposing and Defending the Thesis

Students must conduct original research, and write a thesis acceptable to their major advisor, Thesis Graduate Committee, and the Dean of Graduate Studies. Early in their graduate studies, the student, in consultation with their major advisor, will select a Thesis Graduate Committee. The student is responsible for setting regular meetings with the Thesis Graduate Committee. In order to advance to candidacy, the student will provide a public presentation and a formal written proposal of their planned research to the Thesis Graduate Committee. A final public oral defense of the thesis research, followed by examination by the Thesis Graduate Committee, is required. Successful completion of the final oral examination includes acceptance of the thesis by the Thesis Graduate Committee and the Dean of Graduate Studies.

Master of Science in Clinical/Counseling Psychology

The principal objective of the master of science clinical/counseling psychology program is to provide students with practical skills in counseling - through supervised training and experience - and a critical understanding of the relevant subject matter and the research evidence base. The program offers required course work designed to meet the educational requirements for licensure as a Marriage and Family Therapist (MFT) as outlined by the California Board of Behavioral Sciences. The program is a full-time, day-time program designed to be completed in two years. The program culminates with either a thesis or comprehensive examination.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A minimum cumulative undergraduate grade point average of 3.0;
2. A minimum cumulative undergraduate grade point average in the major of 3.0 ("B");
3. A baccalaureate degree in psychology;
or
one of the following:
 - a. A baccalaureate degree in a major other than psychology and score at or above the 50th percentile on the Graduate Record Examination (advanced test in psychology);
 - b. A baccalaureate degree in a major other than psychology, including a course of study judged, by the Psychology Department graduate admissions committee, to be satisfactory preparation for graduate study in psychology.
4. Submission to the department graduate admissions committee of a brief statement (one or two typewritten pages) of the student's preparation for graduate study, goals in a graduate training program and professional aspirations following receipt of the master's degree;
5. Submission of three letters of recommendation from people who are in a position to make relevant comments on the student's likely success in a graduate psychology program. At least two of these letters should be from former professors who are familiar with the student's scholarly activities.

For students seeking admission in the M.S. Clinical/Counseling program, the following courses are required for classified status:

Completion of the following prerequisite courses or their equivalent:

PSYC 1100	Introduction to Psychology	3
PSYC 2210	Psychological Statistics	4
PSYC 3311	Research Methods in Psychology	4
PSYC 3385	Personality Psychology	3
	or PSYC 3386 Introduction to Psychotherapy	
PSYC 3390	Abnormal Psychology	3

Students who meet the general requirements of the university for admission to graduate study, but who do not meet the Psychology Department's specific requirements for admission to classified status or

who wish to take course work prior to winter quarter consideration of their application for classified status, may be admitted to the university in the unclassified postbaccalaureate status. Unclassified postbaccalaureate students may enroll, when space is available, in selected graduate courses, with the instructor's approval.

Advancement to Candidacy

In order to be advanced to candidacy, a student must have:

1. Achieved classified status;
2. Secured a graduate advisor to supervise the course of study;
3. Completed, with the approval of the student's advisor, at least 30 semester units of graduate course work at this university, and achieved a minimum grade point average of 3.0 ("B") in those courses;
4. Satisfied the Writing Requirement for Graduate Candidacy (WRGC);
5. Filed an approved Advancement to Candidacy form which must have the approval of the student's advisor, the department chair or chair of the graduate program committee and the Dean of Graduate Studies.

Requirements for Graduation

1. Completed at least 63-72 semester units of course work (depending on the culminating option selected (Thesis or Comprehensive examination) in # 2 below) in graduate program with a grade point average of at least 3.0 ("B") and grades of "C" (2.0) or better in all courses in the program with at least 30 semester units completed at this university;
2. One of the following:
 - a. Completed and defended an original thesis. Students selecting the thesis option take three units of PSYC 6953 in preparation for the thesis.
OR
 - b. Successful completion of the comprehensive examination. Students selecting the comprehensive examination option take three units of PSYC 6123 in preparation for the examination;
3. Received the approval of the student's graduate advisor;
4. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).
The comprehensive examination is designed to be integrative in nature and is offered during the spring semester only. Students who do not receive a passing grade may elect to:
 - a. Repeat the examination, one additional time only
OR
 - b. Complete PSYC 6974 Thesis.
Complete details regarding the comprehensive examination option are available from the Psychology Department.
5. The Graduate Writing Assessment Requirement is met upon successful completion of either PSYC 6974 or PSYC 6980.

Classified graduate students in the Master of Science in Clinical/Counseling Psychology program must complete their degree requirements within seven years of admission to the program. Students with classified status who fail to register for at least one course in the Psychology M.S. program each quarter will automatically be declassified.

Degree Requirements (63-71 units)

(Program Code: PSCC)

PSYC 6618	Community and Public Mental Health	3
PSYC 6619	Community Disaster, Trauma and Resilience	3
PSYC 6633	PROFESSIONAL ETHICS AND LAW IN COUNSELING	3
PSYC 6636	Multicultural Counseling	3
PSYC 6638	Neuropharmacology of Psychiatric Disorders	3
PSYC 6640	Advanced Methods in Psychological Research	3
PSYC 6654	Advanced Life-Span Developmental Psychology	3
PSYC 6665	Psychopathology	3
PSYC 6667	Family Processes	3
PSYC 6671	Marriage and Family Therapy Skills I	6
PSYC 6672	Marriage and Family Therapy Skills II	6
PSYC 6674	Child Therapy	3
PSYC 6679	Theories of Counseling and Psychotherapy	3
PSYC 6682	Clinical Assessment	3
PSYC 6871	Marriage and Family Therapy Practicum I	3
PSYC 6872	Marriage and Family Therapy Practicum II	3
PSYC 6971	Advanced Practicum in Counseling Psychology I	3
PSYC 6972	Advanced Practicum in Counseling Psychology II	3
Culminating Experience (3-11)		3-11
Total Units		63-71

Culminating Experience (3-11 Units)

The M.S. Clinical/Counseling Psychology Program offers two culminating experience options.

Comprehensive Examination Option (3 units)

Passage of written examination covering the areas of competence assessed on the California MFT license examinations.

PSYC 6123	Directed Readings	3
PSYC 6980	Comprehensive Examination	0
Total Units		3

Thesis Options (11 units)

Successful completion and defense of an original research project including a review of relevant literature, methodology, data analysis, and critique.

PSYC 6641	Analysis of Variance	4
	or PSYC 6642 Regression and Nonparametric Statistics	
PSYC 6953	Advanced Independent Study	3
PSYC 6974	Thesis	4
Total Units		11

Master of Science in Computer Science

The Master of Science in Computer Science degree program provides a technically oriented postbaccalaureate scientific education for those who wish to acquire or extend their knowledge in the field of computer science. The program combines both the study of modern computer devices and their applications along with the study of the philosophical foundations which underlie the discipline.

In addition to the above goals and objectives, the program is also committed to improving the writing and communication skills of the student.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. An acceptable score on the GRE (general examination only);
2. Three letters of recommendation;
3. Completion of the graduate entrance writing requirement;
4. A statement of purpose from the student; and
5. Either A or B below:
 - a. A baccalaureate degree in computer science;
 - b. A baccalaureate degree in a related field with a cumulative grade point average of "B" (3.0) or better with no grade lower than "C +" (2.3) in a selection of program preparatory courses including:

The equivalent of a one-year sequence of "Introduction to Computer Science" courses, as defined by the ACM Curriculum Committee as courses CS1 and CS2. This can be satisfied by the successful completion of:

CSE 2010	Computer Science I	4
CSE 2020	Computer Science II	4
Courses in calculus, discrete mathematics and linear algebra equivalent to:		
MATH 2720	Discrete Mathematics	3
MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2310	Applied Linear Algebra	4
Courses in computer science equivalent to:		
CSE 2130	Machine Organization	3
CSE 3100	Digital Logic	4
CSE 4010	Contemporary Computer Architecture	4
CSE 4550	Software Engineering	3
CSE 4600	Operating Systems	3
CSE 5000	Introduction to Formal Languages and Automata Theory	3

Advancement to Candidacy

In order to be advanced to candidacy, a student must have:

1. Achieved classified standing;
2. Secured a major advisor from the School of Computer Science and Engineering for the preparation of the thesis or the implementation of a project;
3. Completed at least 9 semester units and no more than 15 semester units of work applicable to the degree program as a graduate student at this university with a minimum grade point average of 3.0 ("B");
4. Submitted a formal program of graduate study prepared in consultation with and approved by the School of Computer Science and Engineering graduate committee and/or the major advisor. This program of graduate study should include an abstract to serve as a thesis research proposal for Thesis or a tentative title and description of the project for Master Project, or enrollment in CSE 6890 and CSE 6980 for the comprehensive written exam;
5. For students choosing Master Project, satisfactory passage of the comprehensive oral examination to be administered by the graduate committee;
6. Obtained final approval of the program and of the candidacy itself by the School of Computer Science and Engineering graduate committee and the Dean of Graduate Studies.

Requirements for Graduation

1. A minimum of 31 semester units of acceptable graduate-level work included in the formal program with 5000- and 6000-level courses in computer science, with 22 units completed in residence at this university. No more than nine units may be earned from 5000-level courses;
2. Advancement to candidacy and approval of the specific program of study;
3. A public presentation for the thesis or project option;
4. Completion of a final oral examination concluded by acceptance of the thesis, for the thesis option; satisfactory completion of the comprehensive oral examination and completion of the project, for the project option; or satisfactory completion of the comprehensive written examination, for the examination option;
5. The program must be completed within a seven-year period. No more than seven years may elapse between the time of registration for the earliest course listed on the program and completion of all requirements for the degree;
6. A grade point average of at least 3.0 ("B") in all graduate course work fulfilling the requirements of the Master of Science in Computer Science and a grade of "C" (2.0) or better in each course in the program;
7. For the thesis option, the student will submit the written thesis in electronic form to the school. For the project option, the student will submit the written software engineering documentation in electronic form to the school;
8. The graduation writing requirement is met upon successful completion of term papers in the graduate courses taken by the student and the writing of the thesis or software engineering documentation of the project;
9. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Department Graduate Committee and Major Advisor

The School of Computer Science and Engineering graduate committee consists of the graduate coordinators and two or more faculty members from the School of Computer Science and Engineering. The committee has general supervision over the work of students progressing towards the master's degree and will determine whether students are adequately prepared for graduate study. Each new graduate student should consult with the graduate coordinator for advice in the selection of the appropriate program of graduate study.

Students enrolled in the thesis or project option must choose and be accepted by a major advisor prior to their advancement to candidacy and the initiation of a thesis or project. The major advisor in consultation with the student will develop a program of graduate study consisting of specific courses and an acceptable thesis abstract or project proposal based on the student's interest, abilities and preparation. The major advisor will direct this research.

The program of graduate study as well as any subsequent modification of the thesis or project are subject to the approval of the School of Computer Science and Engineering graduate committee and the Dean of Graduate Studies.

Students enrolled in Comprehensive Examination are advised by the graduate coordinator. The program of study for Comprehensive Examination consists of declaring and choosing the Comprehensive Exam and may not be modified to Thesis or Master Project.

Thesis Preparation, Presentation and Examination

The student must conduct a research study, and from these efforts, write a thesis acceptable to the student's thesis committee and the Dean of Graduate Studies. The student's thesis committee shall be chaired by the major advisor and two other faculty members who are chosen by the student upon consultation with the major advisor and the graduate coordinator. The thesis topic and major advisor must be included on the program of graduate study submitted with the application to candidacy, although this may be amended.

The student shall enroll in Thesis at a rate of two to five units per semester for all contiguous academic year semesters starting from the time of advancement to candidacy until the thesis is completed and accepted. Over that period, seven units of Thesis will count toward the degree.

The student, upon completion of the thesis, must give a public presentation of the research and stand for the defense of the thesis before the faculty made up of the thesis committee and any other faculty members who wish to attend. The student is given a maximum of five years from the time the student was advanced to candidacy to finish the degree.

Project Preparation, Presentation and Examination

The student must implement and complete a project acceptable to the student's project committee and the Dean of Graduate Studies. The student's project committee shall be chaired by the major advisor and two other faculty members who are chosen by the student after consultation with the major advisor and the graduate coordinator.

The project topic and major advisor must be included on the program of graduate study submitted with the application to candidacy, although this may be amended.

The student shall enroll in Master Project at the rate of two or four units per semester for all contiguous academic semesters starting from the time

of advancement to candidacy until the project is completed and accepted. Over that period, four units of Master Project will count toward the degree.

The student, upon completion of the project, must give a public presentation. The student is given a maximum of five years from the time the student was advanced to candidacy to finish the degree.

Comprehensive Written Examination

The student shall enroll in CSE 6890 and CSE 6980 after consultation with the graduate coordinator and completion of the last core course(s).

CSE 6980 is a graduate seminar in preparation of the comprehensive examination CSE 6980 and CSE 6980 may be repeated only once. Students enrolled in CSE 6980 must pass a written examination on the material in the core courses.

Degree Requirements (31 units)

Program Code: CSCM

Required Courses (15)

CSE 6020	Computation and Complexity Theory	3
CSE 6100	Modern Computer Architecture	3
CSE 6300	Theory of Algorithms and Their Analysis	3
CSE 6550	Software Engineering Concepts	3
CSE 6600	Operating Systems Concepts and Theory	3

In rare instances past 5000-level course work may preclude a student from enrolling in a required course. In that case, the student must seek advising by the graduate coordinator who will determine a viable alternative.

Culminating Experience (16)

Sixteen units from one of the following options:	16
Total Units	31

Culminating Experience (16 units)

Examination Option (16 units)

CSE 6890	Graduate Seminar	1
CSE 6980	Comprehensive Examination	0
15 units of elective coursework chosen from 5000- to 6000-level computer science courses deemed appropriate by the department graduate committee. Up to 9 units of 5000-level computer science courses may be taken.	15	
Total Units	16	

Project Option (16 units)

CSE 6962	Masters Project (for a total of 4 units)	4
or CSE 6964	Masters Project	
12 units of elective coursework chosen from 5000- to 6000-level computer science courses deemed appropriate by the department graduate committee. Up to nine units of 5000-level computer science courses may be taken.	12	
Total Units	16	

Thesis Option (16 units)

Six units chosen from:	6	
CSE 6972	Thesis	
CSE 6973	Thesis	

CSE 6974	Thesis	
CSE 6976	Thesis	
10 units of elective coursework chosen from 5000- to 6000-level computer science courses deemed appropriate by the department graduate committee.		10
Total Units		16

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Master of Science in Counseling

The M.S. in Counseling is a professional program to prepare students for a successful career in the counseling profession. The program's emphasis in postmodern praxis and commitment to social justice sets the tone of preparing counselors who can respond to complex issues in a variety of settings. The degree offers two concentrations, one in Professional Counseling and one in School Counseling, each being 60 units as a stand alone degree. Students who complete the appropriate concentration within the degree can apply to the California Board of Behavioral Sciences to become Licensed Professional Clinical Counselors (LPCC). Coursework in the appropriate concentration prepares students to become counselors in grades K-12 through applying for the California Pupil Personnel Services School Counselor Credential (PPS). Students may also elect to combine concentrations, as core courses overlap, for a total of 72 semester units.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. Attend a Counseling Program information meeting (meeting schedule can be found on the program's website);
2. Submission of an Admissions Portfolio following criteria and guidelines provided at the orientation meeting. Portfolios will be evaluated according to the Counseling Program portfolio rubric. Students will be notified as to the status of their application to enroll in COUN 6220. A completed portfolio contains:
 - a. Admission to CSUSB Graduate Studies;
 - b. Application and current vita/resume;
 - c. Transcripts of all higher education coursework;
 - d. GPA of 3.0 or higher from all previous undergraduate/graduate work;
 - e. Written Personal Statement;
 - f. Three positive recommendations from persons having knowledge of applicant's counseling potential (forms provided by program);
 - g. Evidence of current negative TB test;
 - h. Evidence of CTC clearance or possession of a valid California teaching credential;
 - i. Upon completion of the above requirements, the student's file will be reviewed by an admission committee composed of at least three members of the Counseling faculty. Students will be notified about the result of their application and invited to enroll in COUN 6220.
3. Completion of COUN 6220 with a grade of "B" (3.0) or better.
4. Students who do not meet admissions criteria will be notified of their deficiencies.

Advancement to Candidacy

In order to be formally advanced to candidacy a student must have:

1. Completed 12 semester units of coursework with a grade point average of 3.0 ("B"), to include COUN 6220, COUN 6221; COUN 6222.
2. Complete COUN 6220 with a B or better.
3. Meet graduate writing requirement that is housed in COUN 6221 with a passing grade as specified in course syllabus.
4. Filed an approved graduate program plan for completion of the degree. This must be prepared in consultation with a program advisor and approved by the program coordinator.

Requirements for Graduation

1. A minimum of 60 semester units of graduate-level work, with a minimum of 42 units completed in residency at this university. Students pursuing the dual concentration must complete a minimum of 49 units in residency;
2. A minimum of 20 semester units of credit taken after a student has been advanced to candidacy for the degree;
3. A grade point average of 3.0 ("B") in course work taken to satisfy the degree requirements, including a minimum of a "B" in COUN 6220, and COUN 6224, and no grade below a "B-" (2.7) in all other courses in the program;
4. The graduation writing requirement is met either through demonstrated competence by a passing grade on the writing assignment housed in COUN 6221 as specified in course syllabus or the completion of an equivalent course, GRE score of 5.0 or higher on the writing portion, publication, or masters degree as outlined in the graduate writing waiver form and approved by the program coordinator & graduate studies dean
5. Comprehensive examination, culminating experience, and/or through completion of a Master's degree project;
6. Completion of a graduation requirement check;
7. Any additional requirements not cited above and listed in the requirements for a Master's Degree listed in Graduate Degree and Program Requirements.

The comprehensive examination is designed to test the student's knowledge of the field of counseling. The examination is a standardized national exam, the Counselor Preparation Comprehensive Examination (CPCE). The student will take the examination during their final term. The student must be advanced to candidacy at least one semester before taking the comprehensive examination. The student must complete a graduation check with the Office of Records, Registration and Evaluations before permission to take the examination can be granted. Students who do not receive a passing score may petition the program coordinator to retake the examination. Students who do not receive a passing score the second time must petition the Dean of Graduate Studies to retake the exam. Approval to retake the examination may be, at any time, contingent upon completion of additional designated courses.

A Master's research project can be reported in the form of a paper, which could include other media. The project proposal and the project must be approved by the student's advisor and one other professor in the College of Education and submitted in an approved format. Further information is available in the Graduate Thesis and Project handbook available through the Graduate Studies Office. Students who elect to complete a project are not required to take a comprehensive exam.

Degree Requirements (60-69 units)

(Program Code: COUN)

COUN 6220	Introduction to Counseling	3
COUN 6221	Introduction to Research & Evaluation	3
COUN 6222	Law & Ethics in Counseling	3
COUN 6224	Advanced Counseling	3
COUN 6226	Conflict Resolution	3
COUN 6227	Counseling Theories	3
COUN 6229	Socio-Cultural Counseling	3
COUN 6230	Human Development in Counseling	3
COUN 6231	Group Counseling	3
COUN 6232	Career Counseling	3
COUN 6233	Practice Based Placement (Must be taken for a minimum of 6 units and a maximum of 12 units in consultation with advisor)	6
COUN 6237	Appraisal	3

Culminating Experience (0) 0

Concentration (21-30)

Students must satisfy the requirements of one of the concentrations 21-30 listed below.

Total Units 60-69

Culminating Experience (0 units)

Students must choose one of the following:

COUN 6980	Comprehensive Examination	0
COUN 6960	Master's Degree Project	0
Total Units		0

Concentrations (21-30 units)

School Counseling Concentration (21 units)

COUN 6223	Learning Theories	3
COUN 6225	Systems Consultation	3
COUN 6240	Professional School Counseling	3

Electives (Choose 4 of the following) (12) 12

COUN 6228	Addictions Counseling	
COUN 6235	Crisis and Trauma Counseling	
COUN 6236	Psychopharmacology	
COUN 6239	Family Counseling	
COUN 6238	Aging, Death & Grief in Couples & Families	
COUN 6241	Gender & Sexuality	

Total Units 21

Professional Counseling Concentration (21 units)

COUN 6228	Addictions Counseling	3
COUN 6235	Crisis and Trauma Counseling	3
COUN 6234	Diagnosis	3
COUN 6236	Psychopharmacology	3
COUN 6239	Family Counseling	3
COUN 6238	Aging, Death & Grief in Couples & Families	3
COUN 6241	Gender & Sexuality	3

Total Units 21

School and Professional Counseling Dual Concentration (30 units)

COUN 6223	Learning Theories	3
COUN 6225	Systems Consultation	3
COUN 6240	Professional School Counseling	3
COUN 6228	Addictions Counseling	3
COUN 6235	Crisis and Trauma Counseling	3
COUN 6236	Psychopharmacology	3
COUN 6239	Family Counseling	3
COUN 6238	Aging, Death & Grief in Couples & Families	3
COUN 6241	Gender & Sexuality	3
COUN 6234	Diagnosis	3

Total Units 30

Master of Science in Entrepreneurship and Innovation

Pending Chancellor's Office Approval

The Master of Science in Entrepreneurship and Innovation (MSEI) program offers students with business, technical, or other non-business degrees a comprehensive graduate education that prepares them to launch entrepreneurial ventures or new business ventures in large organizations. The 30-unit program will provide coursework and experiential learning activities and expose students to the key concepts of entrepreneurship and innovation including creativity, and ideation, evaluation and screening of business concepts, commercialization and technology transfer processes, business model formulation, startup models and the entrepreneurial process, team formation, intellectual property, marshaling resources, planning techniques and launch strategies.

Admission to the Program

Suitability for admission to the program will be based on an examination of the entire application package. In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. Bachelor's Degree: A bachelor's degree from an accredited college or university, with required minimum GPA of 2.75 calculated using the entire degree or the last 90 quarter (60 semester) units, which may include post baccalaureate work. Applicants in the process of finishing an undergraduate degree may apply, with acceptance contingent on successful completion of the undergraduate degree.
2. Personal Statement: A statement that provides insight on the student's motivation to join the program, how the student plans on using the degree to further his/her professional goals, and the personal qualifications that will contribute to successful completion of the program. This can be submitted in one of two possible formats: (a) a written statement of no more than 500 words; or (b) a short video, not more than 2 minutes in length.
3. English Proficiency for International Students: All international applicants who have not completed three years of full-time study at the secondary or post-secondary level where English was the language of instruction must also achieve an acceptable score, as determined by the MSEI committee, ratified by the College Curriculum Committee, and in alignment with the Office of Graduate Studies requirements on the Test of English as a Foreign Language (TOEFL), the IELTS exam or complete CSUSB's ESL program. The current minimum acceptable TOEFL score is 550/PBT, 213/CBT, 79-80/IBT taken within the past two years; IELTS score of 6.5 taken within the past two years; or complete level 6 of CSUSB's Intensive English Program;
4. Resume: Submission of a current resume;
5. Letters of Recommendation: One (1) letter of recommendation is required that attests to the applicant's intellectual and professional aptitude;
6. Interview: Each applicant will be required to participate in a brief interview with the MSEI program director and/or faculty.

Advancement to Candidacy

To be advanced to candidacy, a student must have:

1. Achieved classified standing.
2. Successfully completed the MSEI Boot Camps.
3. Successfully completed 12 units with a minimum of a 3.0 grade point average in the program;
4. Completed an approved MSEI program plan in consultation with the designated faculty advisor of the MSEI program;
5. Secured approval of the Graduate director in charge of the MSEI program.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable graduate-level work, consistent with the MSEI program plan (with a minimum overall GPA of 3.0);
2. Successful completion of the required and elective courses as shown in the "Degree Requirements";
3. At least 70% of the units for the degree completed at California State University at San Bernardino;
4. A grade point average of 3.0 ("B") in all course work taken after admission to conditionally classified or classified status, and grades of "C" (2.0) or better in all courses in the program;
5. Successful completion of [ENTR 6961](#) and [ENTR 6962](#) meets the culminating experience requirement and successful completion (a grade of "B", 3.0, or better) of [ADMN 6020](#) meets the graduate writing requirement;
6. Students are expected to complete online MSEI Boot Camp before the start of their first semester, unless later completion is approved by the MSEI program;
7. Successful completion of [ENTR 6980](#). The course includes a reflective essay that provides an overview of the student's experience, key learning takeaways and how the new knowledge will be used professionally. In addition, students will provide feedback on the overall program experience through a series of short answer questions, of which the data will be aggregated with other student responses to provide feedback for program and curriculum development. Students register for this 0-unit course in their final semester of enrollment in the MSEI program;
8. Any additional general requirements not cited above and listed in MSEI Graduate Degree Program Requirements.

A "no credit" (NC) designation will be entered on the student's transcript if he/she fails the MSEI Culminating Experience courses. Students who do not receive a passing grade on the first attempt must petition the college's director of graduate studies for permission to retake the culminating experience.

Degree Requirements (30 units)

Required Courses (21)

ADMN 6020	Advanced Managerial Communications	3
ENTR 5410	Commercializing Entrepreneurial Innovation	3
ENTR 5450	Resources for the Entrepreneur	3
ENTR 6210	Entrepreneurship and New Ventures	3
ENTR 6230	Exploring Entrepreneurial Opportunities	3
MGMT 6850	Strategic Management	3
TA 5141	Entrepreneurial Improvisation and Creativity	3

ENTR 6980 Reflective Essay 0

Entrepreneurship Elective (3)

Chose one (1) from the following: 3

ENTR 5470 Managing a Growing Business

ENTR 5490 Launching the Entrepreneurial Venture

ENTR 5550 Entrepreneurship in Action: Corporate, Social and Family Business Approaches

Custom Elective (3)

Chose one (1) from the following or any 6000-level course chosen from the graduate business core in consultation with the MSEI faculty advisor 3

MGMT 6550 Leadership as Art and Science

MKTG 6400 Advanced Marketing Research

Culminating Experience (3) 3

Total Units 30

Culminating Experience (3)

ENTR 6961 Entrepreneurial Immersion 1 2

ENTR 6962 Entrepreneurial Immersion 2 1

Total Units 3

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Master of Science in Finance

Self-support, offered through the College of Extended and Global Education (<https://cel.csusb.edu/n>) (pending CO approval)

The Master of Science in Finance (MSF) program provides post-baccalaureate students pursuing a career in investments with a high-quality master-level education in the field of investment. The objective is to educate post-baccalaureate students to be experts in investment analysis and portfolio management. The Master of Science in Finance is open to all qualified students regardless of undergraduate major.

Admission to the Program

Suitability for admission to the program will be based on an examination of the entire application package. In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

Bachelor's Degree: A bachelor's degree from an accredited college or university, with required minimum GPA of 2.75 calculated using the entire degree or the last 90 quarter (60 semester) units, which may include post baccalaureate work;

Personal Statement: A 200-250 word statement highlighting the academic motivation and qualifications for pursuing the Master of Science in Finance at California State University, San Bernardino, and demonstrating the potential for successful completion of the program;

English Proficiency for International Students: All international applicants who have not completed three years of full-time study at a secondary or post-secondary institution where English was the language of instruction must also achieve an acceptable score (as determined by the Accounting and Finance Department and ratified by the College Curriculum Committee, in alignment with the Office of Graduate Studies requirements) on the Test of English as a Foreign Language (TOEFL) or the IELTS exam, or must complete CSUSB's ESL program. The current minimum acceptable TOEFL score is 550/PBT, 213/CBT, 79-80/IBT taken within the past two years; IELTS score of 6.5 taken within the past two years; or complete level 6 of CSUSB's Intensive English Program;

Resume: Submission of a current resume;

Letters of Recommendation: Two letters of recommendation are required.

Business Aptitude Requirement: Graduate Management Aptitude Test (GMAT) or Graduate Record Exam (GRE): Applicants for Master of Science in Finance must meet the Business Aptitude Requirement:

1. Submission of an acceptable score on the Graduate Management Aptitude Test (GMAT) or Graduate Record Exam (GRE) as determined by the Accounting and Finance Department, ratified by the College Curriculum Committee, and conforming with the Office of Graduate Studies requirements. The current acceptable GMAT or GRE score must meet a minimum GMAT score of 470 (with a minimum 10% on GMAT Verbal Ability and 50% on Quantitative Ability percentile rankings) or a minimum GRE score of 298 (with a minimum 10% on GRE Verbal Ability and 50% on Quantitative Ability percentile rankings); or

2. $(\text{GPA} \times 200) + \text{GMAT score}$ greater than or equal to 1,050 points; or
3. $(\text{GPA} \times 24) + \text{GRE score}$ greater than or equal to 368 points

Advancement to Candidacy

To be advanced to candidacy, a student must have:

1. Achieved classified standing;
2. Completed at least 15 semester units of applicable graduate-level course work at the university, with a minimum grade point average of 3.0;
3. Completed an approved graduate program plan in consultation with an MSF advisor after achieving classified status;
4. Secured the approval of candidacy from the MSF Graduate Director and the Dean of Graduate Studies.

Requirements for Graduation

1. A minimum of 36 semester units of acceptable graduate-level work, as shown in the "Degree Requirements" with a grade point average of 3.0 in all course work taken after admission to conditionally classified or classified status, and grades of "C" (2.0) or better in all courses in the program;
2. Successful completion of an integrative comprehensive examination (FIN 6989). Successful completion means students correctly answer at least 80% of the comprehensive exam questions. Students with a grade point average below 3.0 will not be permitted to take the examination. A "no credit" (NC) designation will be entered on the student's transcript if he/she fails the examination. Students who do not receive a passing grade may repeat the examination, one additional time only, with the written approval of the MSF Graduate Coordinator. Only students who are currently classified, have been advanced to candidacy, have completed their core classes, and are not on probation may take the examination.
3. Successful completion of FIN 6985 (MSF Portfolio) which includes preparation and submission of a portfolio of course work. The portfolio includes a reflective essay showing how the portfolio demonstrates accomplishment of essential goals for the program. Students register for this 0-unit course after advancement to candidacy.
4. Successful completion of FIN 6980 meets the culminating experience requirement and successful completion (a grade of "B" (3.0), or better) in ADMN 6020 meets the graduate writing requirement;
5. No more than 3 semester units of lower than 6000-level course work;
6. At least 27 semester units completed at California State University, San Bernardino.

Degree Requirements (36 units)

ADMN 6020	Advanced Managerial Communications	3
FIN 6771	Ethical and Professional Standards	3
FIN 6772	Quantitative Method for Finance	3
FIN 6773	Financial Market and Environment	3
FIN 6774	Financial Statement Analysis I	3
FIN 6775	Financial Statement Analysis II	3
FIN 6776	Advance Corporate Finance	3
FIN 6777	Portfolio Management	3
FIN 6778	Global Equity Investment	3
FIN 6779	Fixed Income	3
FIN 6780	Derivative and Alternative Investment	3

FIN 6790	Comprehensive Investment Analysis	3
FIN 6985	MSF Portfolio	0
Culminating Experience (0)		0
Total Units		36

Culminating Experience (0 units)

FIN 6980	Finance Comprehensive Examination	0
Total Units		0

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Master of Science in Health Services Administration

The Master of Science in Health Services Administration is appropriate for students preparing to become health service administrators or managers in hospitals, health maintenance organizations, medical group clinics, nursing homes, public health departments, state and federal health agencies, military health services, or other health service organizations.

Specific entrance requirements have been established by the University and the Department of Health Science and Human Ecology. Information about entrance requirements is available at the department website.

Students who wish to design a specific, individualized master's degree related to health science should also consider the M.A. in Interdisciplinary Studies. Students can successfully combine courses from several relevant fields to build interdisciplinary programs serving their career goals in such areas as Community Health Education, Health Promotion, Environmental Health, Occupational Health/ Industrial Hygiene, Public Health, and Gerontology.

Students may also earn a certificate in Finance, Accounting, and Information Systems along with the Master of Science in Health Services Administration.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A minimum grade point average of 3.0 ("B") for the major or for the last 60 semester units of undergraduate coursework and in all post-graduate coursework;
2. A copy of most recent resume or *curriculum vitae*;
3. A statement of purpose, double-spaced and 2-3 pages maximum, describing those experiences which have shaped the applicant's interest in the MSHSA program. Comment on your current knowledge, skills, experience, and preferred areas of work in the field of health services administration, one academic experience which has meant the most to your professional career, immediate and long-term professional goals, reasons for being interested in the MSHSA program, strengths the applicant brings to the program, skills which the applicant would like to improve, and how the MSHSA degree will help you grow professionally.;
4. Writing sample based on a health services management topic of interest to the applicant, typed, approximately 1,000 words, double spaced;
5. Recommendation for advancement to candidacy from the Graduate Director of the Master of Science in Health Service Administration Program.

Students who meet the above criteria may be admitted as conditionally classified graduate students. To attain fully classified status, students must complete at least 16 semester units of MSHSA core coursework with a minimum grade point average of 3.0 ("B") and must remove any deficiencies stated as conditions for acceptance in the program or otherwise set by the department's graduate committee.

Advancement to Candidacy

To be advanced to candidacy, the student must have:

1. Completed 20 semester units toward the MSHSA with a minimum grade point average of 3.0 ("B");
2. Submit a formal program of study of graduate coursework prepared in consultation with the MSHSA graduate director;
3. Be recommended for advancement to candidacy by the MSHSA Graduate Director;
4. Completed an undergraduate-level writing course.

Requirements for Graduation

In addition to the general requirements of the university and the department, graduation requirements include:

1. Advancement to candidacy for the degree and approval of the specific program of study;
2. A grade point average of 3.0 ("B"), or better, in all graduate course work and research fulfilling the requirements of the Master of Science in Health Services Administration and grades of "B-" (2.7) or better in all coursework.

Classified and conditionally classified graduate students in the Master of Science program must complete their degree requirements within seven years.

Degree Requirements (43-44 units)

Program Code: HSAD

HSCI 6170	Health Services Administration Leadership, Team and Quality Development	4
HSCI 6010	Administration of Health Care Programs	4
HSCI 6020	Management, Organization and Planning	4
HSCI 6030	Health Economics and Financial Systems	4
HSCI 6140	Information and Technology Systems Management in Health Services	4
HSCI 6150	Health Law and Medical Ethics	4
HSCI 6160	Strategic Planning and Evaluation	4
HSCI 6100	Communication and Human Relations in Health Services	4
HSCI 6180	Health Services Administration Capstone Seminar	4
HSCI 6190	Graduate Research Methodology in Health Science	4
Culminating Experience (3-4)		3-4
Total Units		43-44

Culminating Experience (3-4 units)

HSCI 6754	Administrative Residency	3-4
or HSCI 6960	Project	

Master of Science in Industrial and Organizational Psychology

The principal objective of the Master of Science in Industrial and Organizational Psychology program is to provide students with the skills to apply the principles and methods of psychology to organizations, public and private, and to settings where people are engaged in work. To be successful, the graduate must have developed knowledge and appreciation of psychological theory and research as they apply to organizations and people at work, and mastery of the measurement and research technologies which are commonly used in the discipline.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A minimum cumulative undergraduate grade point average of 2.5;
2. A minimum cumulative undergraduate grade point average in the major of 3.0 ("B");
3. A baccalaureate degree in psychology;
or
one of the following:
 - a. A baccalaureate degree in a major other than psychology and score at or above the 50th percentile on the Graduate Record Examination (advanced test in psychology);
 - b. A baccalaureate degree in a major other than psychology, including a course of study judged, by the Psychology Department graduate admissions committee, to be satisfactory preparation for graduate study in psychology;
4. Submission to the department graduate admissions committee of a brief statement (one or two typewritten pages) of the student's preparation for graduate study, goals in a graduate training program and professional aspirations following receipt of the master's degree;
5. Submission of three letters of recommendation from people who are in a position to make relevant comments on the student's likely success in a graduate psychology program. At least two of these letters should be from former professors who are familiar with the student's scholarly activities.

Completion of the following prerequisite courses or their equivalent:

Introduction to Psychology
Psychological Statistics
Introduction to Experimental Psychology

The following courses (or equivalent) are recommended:

Organizational Psychology or Organizational Behavior
Industrial Psychology
Tests and Measurements

Students who meet the general requirements of the university for admission to graduate study, but who do not meet the Psychology Department's specific requirements for admission to classified status or who wish to take course work prior to spring semester consideration of their application for classified status, may be admitted to the university in the unclassified postbaccalaureate status. Unclassified postbaccalaureate students may enroll, when space is available, in selected graduate courses, with the instructor's approval.

Advancement to Candidacy

To be advanced to candidacy, a student must have:

1. Achieved classified status;
2. Secured a graduate advisor to supervise the course of study;
3. Completed, with the approval of the student's advisor, at least 12 semester units of graduate course work at this university, and achieved a minimum grade point average of 3.0 ("B") in those courses;
4. Satisfied the Writing Requirement for Graduate Candidacy (WRGC).
5. Filed an approved Advancement to Candidacy form which must have the approval of the student's advisor, the department chair or chair of the graduate program committee and the Dean of Graduate Studies.

Requirements for Graduation

1. Completed a minimum of 45 semester units of approved graduate level work with at least 30 units completed in residence at this university with a grade point average of a least 3.0 ("B") and grades of "C" (2.0) or better in all courses in the program.
2. Completed and defended an original master's thesis (a three-course sequence, PSYC 6951 twice in a sequence, and PSYC 6974PSYC 6974PSYC 6974PSYC 6974, PSYC 6974, PSYC 6974PSYC 6974PSYC 6974, PSYC 6974PSYC 6974PSYC 6974).
3. The graduate Writing Assessment Requirement is met through successful completion of PSYC 6974.

Classified graduate students in the Master of Science Industrial and Organizational Psychology program must complete their degree requirements within seven years of admission to the program. Students with classified status who fail to register for at least one course in the Psychology M.S. program each semester will automatically be declassified.

Degree Requirements (45 units)

(Program code:PSIO)

PSYC 5581	Current Professional Issues in Industrial-Organizational Psychology	1
PSYC 6601	Job Analysis, Performance Management, & Compensation	3
PSYC 6602	Organizational Development, Training, and Work Groups	3
PSYC 6603	Talent Acquisition and Legal Issues	3
PSYC 6604	Motivation and Leadership	3
PSYC 6640	Advanced Methods in Psychological Research	3
PSYC 6641	Analysis of Variance	4
PSYC 6642	Regression and Nonparametric Statistics	4
PSYC 6644	Applied Psychological Measurement	3

PSYC 6675	Practicum in Applied Psychology	3
PSYC 6893	Externship in Applied Psychology	3
Three units chosen from:		3
PSYC 5582	Diversity, Work, and Family	
PSYC 5583	Occupational Health Psychology	
Three units chosen from:		3
PSYC 6643	Multivariate Methods	
PSYC 6650	Advanced Cognitive Psychology	
PSYC 6652	Advanced Learning and Motivation	
PSYC 6654	Advanced Life-Span Developmental Psychology	
PSYC 6656	Advanced Biological Psychology	
PSYC 6658	Advanced Social Psychology	
Culminating Experience (6)		6
Total Units		45

Culminating Experience (6 units)

The culminating experience for the program is a research thesis, completed under the supervision of a faculty member, and consists of the following courses:

PSYC 6951	Advanced Independent Study (taken twice for a total of 2 units)	2
PSYC 6974	Thesis	4
Total Units		6

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Master of Science in Information Systems and Technology

The Master of Science in Information Systems Technology (MSIST) prepares students for leadership positions in the areas of (1) cyber security, and (2) business intelligence and information systems technology. The main objective is to graduate students who have the ability to identify and solve business problems, manage organizational risk, secure and manage computer network systems, ensure business continuity, design and implement data warehouses, and use business intelligence tools to collect, integrate, analyze, and mine big data for the purpose of supporting managerial decision making at all control levels - front-line, managerial, and strategic. Graduates of both concentrations are able to use their analytics knowledge to fully exploit the opportunities provided by big data, i.e. nurture data-based, evidence driven organizations. Specific positions for the cyber security concentration include: information security analyst, security manager, forensics manager, computer network analyst, database administrator, and computer network architect. Specific positions for the business intelligence and information systems technology concentration include management analyst, business intelligence analyst, computer system analyst, business continuity planner, research analyst, IT project manager, and business application manager. The cyber security and business intelligence and information technology concentrations can also lead to strategic positions such as Chief Information Officer, Chief Information Security Officer, Chief Analytics Officer, Chief Data Officer, or Chief Business Architect. The program is open to all qualified students with a post-baccalaureate degree (major or minor) from an accredited college or university in any field. Students must have a keen interest in pursuing careers in cyber security, business intelligence, data analytics, and information systems technology.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A bachelor's degree (major or minor) from an accredited college or university;
2. Attained a minimum of a 3.0 GPA in the last 60 semester (90 quarter) units of course work (Applicants with a GPA between 2.5 and 2.99 will be considered for admission by the program as an exception);
3. If the Bachelor degree was not taught principally in English, then you must take the TOEFL or IELTS (score of 6) or complete Level 6 of CSUSB's ESL program and have official scores sent to the CSUSB Graduate Admissions Office;
4. Submission of official transcripts in sealed envelopes from all institutions attended to CSUSB Graduate Admissions Office. CSUSB students are not required to submit any CSUSB transcripts. If your transcript is not in English, then you must also send a certified literal English translation of the transcripts along with the official original-language transcripts with proof of degree to: CSUSB Graduate Admissions Office, 5500 University Parkway, San Bernardino, CA 92407;
5. Submission of an acceptable Graduate Management Admission (GMAT) or Graduate Record Exam (GRE) score by deadline for the term in which the applicant wishes to enroll. If test result is

not submitted on time, admission status will be unclassified post-baccalaureate unless the GMAT or GRE requirement has been waived. Send GMAT or GRE score to MSIST Program Coordinator, Information and Decision Sciences Department, 5500 University Parkway, San Bernardino, CA 92407. Check with the MSIST Program Coordinator for the current acceptable GMAT or GRE minimum score requirements;

6. An applicant may request waiver of the GMAT or GRE upon proof of completion of graduate work (e.g., J.D., Ph.D., M.D., etc.) from an accredited U.S. college or university, or upon meeting other GMAT or GRE waiver criteria as set by the MSIST Program Coordinator;
7. Submission of a 200 – 250 word statement that demonstrates academic motivation, reasons for wishing to pursue the MSIST at CSUSB, and personal qualifications that will contribute to the successful completion of the program. Although work experience is not required, at least two years of professional work experience will make an application more competitive. Any letters of recommendation or a résumé are optional. Send Statement of Purpose to: MSIST Program Coordinator, Information and Decision Sciences Department, 5500 University Parkway, San Bernardino, CA 92407;
8. Additional requirement for international students: International students must also submit a completed affidavit of financial support form. International students should follow all instructions of the application procedures and submit all necessary documentation as listed on the International Admissions website: <http://international.csusb.edu/admissions.aspx>;

Students who meet all entrance requirements may be admitted to the program in a conditionally classified status until the Foundation Course requirements are met. Once students meet the minimum passing level of "B" for each of the two foundation courses (IST 6110 & IST 6030) they will be advanced to classified graduate standing in the program. Conditionally classified students cannot enroll in the other 6000-level core courses (with the exception of IST 6090 if taken concurrently) unless they have written consent from the MSIST Program Coordinator.

Advancement to Candidacy

To be advanced to candidacy, a student must have:

1. Achieved fully classified standing;
2. Completed, at least 18 semester units of applicable graduate-level course work at the university, with a minimum grade point average of 3.0 ("B");
3. Completed an approved graduate program plan in consultation with an MSIST adviser;
4. Prior to advancement to candidacy, must have selected one of these concentrations (in consultation with a faculty adviser). Concentrations are available in (1) Cyber Security, and (2) Business Intelligence and Information Systems Technology.
5. Secured approval of the MSIST program coordinator of the Department of Information and Decision Sciences.

Requirements for Graduation

1. A minimum of 36 semester units of acceptable graduate-level work, consistent with the program plan (with a grade point average of 3.0), with at least 26 units completed at the university, and at least 26 semester units of 5000-6000-level course work;
2. Successful completion of the required foundation, core, and concentration courses as outlined in the program curriculum section;

3. After advancement to candidacy, students must compile an MSIST Portfolio and complete a culminating experience project course (3 units). Only students who are currently classified, have completed the required foundation and core courses, have been advanced to candidacy, have obtained approval of the MSIST program coordinator, have grades of "B" (3.0) or better, no "incomplete" grades, and are not on probation may do the project or compile an MSIST Portfolio;
 - a. IST 6960 **MSIST Culminating Project (3 Units)**: In consultation with a faculty adviser, complete and defend a written project based on his or her concentration before a committee of graduate faculty. The graduation writing requirement is met upon successful completion of IST 6960;
 - b. IST 6980 **MSIST Portfolio (0 units)** : Successful completion of IST 6980 (MSIST Portfolio) includes compilation and submission of a portfolio of course work. The portfolio includes a reflective essay showing how the portfolio demonstrates accomplishment of the essential goals for the program. Students register for this 0-unit course after advancement to candidacy and completion of 27 units of coursework;
4. Any additional general requirements not cited above but listed on the university bulletin.
5. A "no credit" (NC) designation will be entered on the student's transcript if he/she fails the IST 6960 Culminating Project course. Students who do not receive a passing grade on the first attempt must petition the college's MIST Program Coordinator for permission to retake the culminating experience.

Degree Requirements (36 units)

The 36 units Master of Science in Information System Technology degree program begins with two foundation courses IST 6110 and IST 6030 (6 units) which are provided to develop the students' analytical, and fundamental programming skills critical to the success in the program.

Five core courses (15 units) are required for all MSIST students to develop a deeper understanding of IST and business issues. This is followed with specialized (12 units) career track courses for Cyber Security or Business Intelligence and Information Technology through electives. Prior to advancement to candidacy, a student must select one of the two career tracks. The specific courses a student will take will be chosen by the student in consultation with an assigned faculty career track mentor. Similarly, selection of the student's MSIST Culminating Experience Project topic (3 units) will be decided by the student in consultation with an assigned faculty career track mentor.

Foundation Courses (6)

IST 6110	Foundations of Analytics and Big Data	3
IST 6030	Foundations of Business Systems	3

Core Courses (15)

IST 6090	Information Systems and Technology Management	3
IST 6450	Systems Analysis, Design and Implementation	3
IST 6470	Database Management and Policies	3
IST 6480	Information Networking Systems and Security	3
IST 6890	Enterprise Architecture Planning, Strategy, Security and Policy	3

Culminating Experience (3)		3
Concentration (12)		

Students must satisfy the requirements of one of the concentrations listed below.

Total Units		36
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Culminating Experience (3 units)

IST 6960	MSIST Culminating Project	3
IST 6980	MSIST Portfolio	0
Total Units		3

Concentrations (12 units)

Cyber Security Concentration (12 units)

IST 5250	Incident Handling and Cyber Investigation	3
IST 6700	Cybersecurity Policy and Risk Management	3
IST 6720	Cyber Defense and Vulnerability Analysis	3
IST 6730	Cybersecurity Theory and Practice	3
Total Units		12

Business Intelligence and Analytics Concentration (12 units)

IST 6620	Business Analytics and Decision Making	3
IST 6670	Data Warehousing and Business Intelligence	3
IST 6680	Business Applications Using Web Technologies	3
Three units chosen from the following:		3
MKTG 6400	Advanced Marketing Research	
GEOG 5303	Advanced Topics in GIS and Spatial Techniques	
Total Units		12

Master of Science in National Cyber Security Studies

The Master of Science in National Cyber Security Studies will prepare students for careers in the field of cyber security and intelligence analysis.

The program is relevant to established career personnel in defense analysis and related specialties, the military services, the civil service and the intelligence community. Additionally, the program is structured to provide motivated persons holding a Bachelor of Arts degree and/or Bachelor of Science degree from an accredited institution with the higher educational skills necessary for entry into the above mentioned career fields or to pursue doctoral studies.

The program is intended for evening students primarily and, therefore, most classes are scheduled between 6 and 10 p.m.

The National Security Studies program was designated an Intelligence Community Center of Academic Excellence (IC CAE) in 2006 by the Office of the Director of National Intelligence (ODNI).

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A baccalaureate degree from an accredited college or university;
2. Satisfy the National Security Studies graduate admissions committee that sufficient preparation and a satisfactory course of study has been pursued in preparation for graduate study. The GRE General Test is required;
3. A minimum cumulative undergraduate grade point average of at least 2.5 overall and at least 3.0 ("B") in the student's undergraduate major;
4. Completion of the graduate entrance writing requirement;
5. Competence in the following prerequisite courses or their equivalents:

MATH 1301	Modeling with Functions	3
PSCI 2030	Government of the United States	3

Competence in these areas may be demonstrated by:

- a. Formal completion of the course or its equivalent,
OR
 - b. Credit by examination.
6. Submission to the National Security Studies Admissions Committee of a brief statement (one or two double-spaced typewritten pages) of the student's preparation for graduate study and professional aspirations following receipt of the master's degree;
 7. Submission of three letters of recommendation from individuals familiar with the student's academic or professional work and potential to complete the program successfully. Letters must come directly from the writer on National Security Studies forms.

Students who meet the requirements for admission to graduate study, but who do not meet the program requirements, may be admitted to graduate study in unclassified postbaccalaureate status or to the program in conditionally classified graduate standing. When the specified deficiencies are removed, student status is changed from conditionally classified to classified. (Unclassified postbaccalaureate students may enroll, when

space is available, in selected graduate courses.) No more than 12 semester units of national security studies course work taken as an unclassified or conditionally classified graduate student may be applied to the program as a classified graduate student.

Advancement to Candidacy

To be advanced to candidacy, a student must have:

1. Achieved classified status;
2. Selected a graduate advisor to supervise the course of study;
3. Completed at least 9 semester units of national cyber security studies program course work at this university, and achieved a minimum grade point average of 3.0 ("B") in those courses;
4. Filed a graduate program approved by the student's advisor, the national security studies program director and the Dean of Graduate Studies.

Requirements for Graduation

1. A minimum of 36 semester units of acceptable graduate-level work, with at least 30 semester units completed in residence at California State University, San Bernardino. A minimum of 30 semester units must be at the 5000-6000 level;
2. A grade point average of at least 3.0 ("B") in all national security studies program courses taken;
3. Choose Option A or B:
 - a. Completion of acceptable comprehensive final written and oral examinations;
 - b. Completion and defense of an original master's thesis;
4. The graduation writing requirement will be satisfied by achieving a minimum grade point average of 3.0 ("B") in the following three core courses. Each core course will allow the student to develop competence in three forms of writing traditional to the field:
 - a. Writing for Intelligence (PSCI 6210),
 - b. Analysis of Cyber Security (PSCI 6030,
 - c. Analysis of either theory or practice of strategy (PSCI 6000 or PSCI 6020);
5. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Classified graduate students in the Master of Science program must complete their degree requirements within five years of admission to the program. Students in classified status who fail to register for at least one course in the program each quarter will automatically be declassified. PSCI 6980-6986, Continuous Enrollment for Graduate Candidacy Standing, must be taken if another course is not taken during a given quarter.

The Master of Science in National Cyber Security Studies is a thesis option course of study requiring either written and oral comprehensive examinations (to be taken in the last quarter of program course work) or a thesis. Students with less than a 3.0 grade point average in the program will not be permitted to take the examinations or propose a thesis. All students are required to take the prerequisite, Core and Cyber Security field courses.

Comprehensive Examination

Comprehensive examinations must be taken in the Core and the Cyber Security fields. The comprehensive examination committee for each candidate will consist of the Core advisor, one advisor from the Cyber Security field and a third faculty member from either department. The examinations will be graded credit/no credit.

An oral examination by the student's committee follows successful completion of the written examination. The oral examination is open for public attendance, but not participation. Should the candidate fail one or more written or oral examination areas, the entire oral or written examination may be repeated one time after remedial course work or study is completed. The scope and deadline for completion of this remedial work will be determined by the student's examination committee at a post-examination conference.

Students must enroll in PSCI 6980 - the Political Science Comprehensive Examination..

Thesis

The criteria for determining who will be allowed to choose the thesis option will be determined by the proposed thesis committee. Students are still required to develop a course of study consistent with the Core and Cyber Security fields, as noted above. After completion of a minimum of 21 semester units, the student will request three faculty to form a preliminary committee, at least two of whom have instructed a course that the student has taken in the program in each of the Core and Cyber Security fields.

Prerequisite courses (6 units)

MATH 1301	Modeling with Functions	3
PSCI 2030	Government of the United States	3
Total Units		6

Degree Requirements (36-39 units)

(Program Code: NCSS)

Core courses (18)

PSCI 4840	National Security Policy	3
PSCI 5900	Seminar in International Relations (Techniques of Intelligence Analysis)	3
PSCI 6000	Theory and History of Strategy	3
PSCI 6020	International Security	3
PSCI 6030	Cyber Security and Cyber Warfare	3
PSCI 6210	Intelligence Assessments and Estimates	3

Cyber Security Field (15)

IST 5250	Incident Handling and Cyber Investigation	3
IST 6470	Database Management and Policies	3
IST 6700	Cybersecurity Policy and Risk Management	3
IST 6720	Cyber Defense and Vulnerability Analysis	3
IST 6730	Cybersecurity Theory and Practice	3

Electives (3)

Three units chosen from among courses not used for the core requirements listed below. 3

CJUS 5550	Intelligence & Crime Analysis 2
CJUS 5554	Terrorism
CJUS 5555	Homeland Security
ECON 6303	International Economic Issues

GEOG 6100	Military Geography for National Security
HIST 5560	Foreign Relations of the United States
MATH 6411	Operations Analysis
PSCI 5400	Seminar in Comparative Politics (Middle East Politics)
PSCI 5400	Seminar in Comparative Politics (African Dictatorships)
PSCI 5400	Seminar in Comparative Politics (East Asian Politics)
PSCI 5400	Seminar in Comparative Politics (Latin American Politics)
PSCI 5900	Seminar in International Relations (Intelligence and Ethics)
PSCI 5900	Seminar in International Relations (Terrorism in Africa)
PSCI 5920	Seminar in Government (Research Methods)
PSCI 6040	Seminar in International Law
PSCI 6050	Topics in Strategy:
PSCI 6060	Analysis of International Terrorism
PSCI 6090	International Relations Theory
PSCI 6110	Regional Security of Eurasia
PSCI 6120	African Security
PSCI 6130	Middle East Security
PSCI 6140	Regional Security of East Asia
PSCI 6200	Understanding Intelligence Failure
PSCI 6220	Arms Control
PSCI 6240	Politics of National Security
PSCI 6250	American Foreign Policy
SSCI 695B	Directed Graduate Studies (SSCI #695B)

Culminating Experience (0-3)

Total Units 36-39

Culminating Experience (0-3 units)

Students must complete one of the following:

PSCI 6973	Thesis (Thirty six units of course work and three units of thesis must be completed before the degree will be awarded)	0-3
or PSCI 6980	Comprehensive Examination	

Total Units 0-3

Master of Science in Nursing

The Department of Nursing offers a graduate program leading to a Master of Science in Nursing with three concentrations: 1) Population-Based Advanced Role Nursing, 2) Nurse Educator, and 3) Advanced Community/Public Health Nursing. The program is designed to educate professional nurses for leadership and service in culturally diverse, pluralistic communities. Graduates of the MS in Nursing program will work collaboratively with other health care providers and participate effectively in interdisciplinary models of health care delivery. They are prepared to assume leadership roles in the creation of health care systems which will provide equality of access, high standards of care and caring, and the cost-effective use of resources. The Nurse Educator concentration prepares nursing faculty to teach in Nursing Programs at both two-year and four-year universities. This program is also appropriate for nurses in the advanced role who are interested in population health education and health education programming.

For further information on competencies for community/public health nurses: <http://www.quadcouncilphn.org/documents-3/2018-qcc-competencies/>

For further information on competencies and certification for nurse educators, see below: http://www.who.int/hrh/nursing_midwifery/nurse_educ_core_competencies/en/

<http://www.nln.org/professional-development-programs/competencies-for-nursing-education/nurse-educator-core-competency>

<http://www.nln.org/professional-development-programs/Certification-for-Nurse-Educators>

CSUSB MS in Nursing Requirements:

Population-Based Advanced Role Nursing: (Program Code: NPBA); 38 semester units, 360 clinical hours

Nurse Educator (Program Code: NRNE); 45 semester units, 360 clinical hours

Advanced Community/Public Health Nursing (Program Code: NAPH); 49 semester units; 540 clinical hours

A "B" (3.0) average is required to remain in good standing in the CSUSB MS in Nursing program.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. A baccalaureate degree in nursing from an accredited program, OR a baccalaureate degree in a discipline related to nursing. Applicants with non-nursing baccalaureate degrees must meet professional competencies, as determined by the Graduate Coordinator, through evidence such as experience, coursework, and/or certification.
2. A grade point average of 3.0 ("B") in the last 60 semester (90 quarter) units attempted;
3. Current license as a registered nurse (RN) in California;
4. Professional and/or academic competence in nursing attested through three personal recommendations;

5. Successful completion of an upper-division undergraduate statistics course or equivalent course or experience;
6. Upon enrollment, successful completion of the NURS 6011 course is required.
7. Clinical course enrollment compliance requirements must be met by students; requirements are outlined in the Graduate Nursing Student Handbook.

Advancement to Candidacy

In order to be advanced to candidacy, the student must have:

1. Achieved classified status;
2. Completed at least 20 semester units of course work with a minimum grade point average of 3.0 ("B"), approved by either the Graduate Program Coordinator or faculty adviser;
3. Filed an approved Program Plan for completion of the graduate degree. This program must be prepared in consultation with the faculty adviser and approved by the Graduate Program Coordinator and the Dean of Graduate Studies;
4. Demonstrated professional competence and integrity in academic and clinical practice settings.

Requirements for Graduation

In addition to the general requirements of the university:

1. Advancement to candidacy for the MS degree in nursing;
2. Fulfillment of the semester units and clinical hours, as designated by the Program concentration; and on the petition for advancement to candidacy;
3. Maintain a grade point average of at least 3.0 ("B");
4. Population-Based Advance Nursing concentrations students must complete 28 units in residency, Nurse Educator concentration students must complete 32 units in residency, and Advanced Community Nursing concentration students must complete 35 units in residency;
5. Successfully complete the comprehensive examination, which includes completing NURS 6901 and NURS 6980

Degree Requirements (39-49 units)

Core Requirements (36)

NURS 5411	Advanced Health Assessment Across the Life Span	3
NURS 5422	Advanced Pathophysiology	3
NURS 5433	Advanced Pharmacology and Toxicology	3
NURS 6011	Preparation for MSN Learning with Technology	1
NURS 6000	Population Health Assessment	4
NURS 6100	Program Planning and Evaluation	4
NURS 6200	Health Policy Leadership	4
NURS 6308	Advanced Nursing Roles	1
NURS 6355	Biostatistics	3
NURS 6466	Epidemiology	3
NURS 6455	Advanced Nursing Research	3
NURS 6558	Advanced Nursing Theory	1
NURS 6880	Advanced Role Practicum	2
NURS 6901	Preparation for Comprehensive Examination	1

Culminating Experience (0)

0

Concentration (3-13)

Students must choose one concentration from the list below:	3-13
Total Units	39-49

Culminating Experience (0 units)

NURS 6980	Comprehensive Examination	0
Total Units		0

The written comprehensive examination is designed to test the student's knowledge of the advanced nursing role, with focus on a select population and chosen academic concentration. Students may enroll in the examination no earlier than the last term in which coursework is taken and must be advanced to candidacy one term before taking the comprehensive examination. Students who do not receive a passing score may petition the MSN Graduate Committee to retake the exam within one year. After an exam failure, the candidate and adviser will discuss actions necessary for remediation of shortcomings. For more information related to the comprehensive examination process and scheduling contact the Graduate Program Coordinator.

Concentrations (3-13 units)**Population-Based Advanced Role Nursing (3 units)**

NURS 6548	Transcultural Care and Health Equity	3
Total Units		3

Nurse Educator (9 units)

NURS 6588	Nursing Education: Curriculum and Instruction	3
NURS 6598	Assessment and Evaluation in Nursing Education	3
NURS 6608	Instructional Technology in Nursing Education	3
Total Units		9

Advanced Community/Public Health Nursing (13 units)

NURS 6588	Nursing Education: Curriculum and Instruction	3
NURS 6598	Assessment and Evaluation in Nursing Education	3
NURS 6608	Instructional Technology in Nursing Education	3
NURS 6752	Advanced Community/Public Health Internship I	2
NURS 6754	Advanced Community/Public Health Internship II	2
Total Units		13

Master of Science in Science, Technology, Engineering and Mathematics Education Option

The MS in STEM Education program is designed to prepare 21st century STEM educators and leaders to more effectively teach, engage, and inspire students in the STEM fields. Through this program, teachers will gain the skills, knowledge and dispositions to improve and lead STEM curriculum and teaching in K-12 formal and informal settings. The curriculum focuses on integrating mathematics, science, technology, and engineering concepts across discipline through facilitating a broader understanding of the interdisciplinary nature of STEM, a deeper knowledge of discipline-specific content, and integrative approaches for the teaching and learning of STEM content. The program also helps teachers learn strategies for teaching diverse student populations. The goal of the program is to prepare STEM educators and leaders who will be able to prepare students become active and informed citizens in an ever more technological and complex world and build the educational foundation for future STEM-related careers through engaging them in authentic inquiry, real-world problem-solving, critical and creative thinking, productive collaboration and effective communication.

This program offers a sequence of courses to enhance teachers' knowledge and practice in STEM education through student-centered, integrated learning approaches, hands-on experiences, collaborations, and reflections, with a focus on Common Core State Standards for Mathematics and the Next Generation Science Standards. The program courses include foundational courses in STEM education, courses in teaching science, mathematics and engineering, equity in STEM Education, assessment and educational research methods.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified status follow:

1. A valid California Teaching Credential or related teaching experience;
2. A cumulative grade point average of 3.0 ("B") in all courses taken in education, science and mathematics;
3. Three letters Completion of recommendation, from individuals familiar with the applicant's work history or educational background.

Students who do not meet these criteria may be admitted as conditionally classified graduate students. Change to classified standing can be made only with approval of the College of Education. No more than 15 semester units may be used to demonstrate fitness to complete the program.

Advancement to Candidacy

In order to be advanced to candidacy, a student must have:

1. Achieved classified standing;
2. Met Writing Requirement for Graduate Candidacy;

3. Completed, with a grade point average of 3.0 ("B"), at least 15 semester units of applicable course work in graduate standing, at least 12 of which must have been on this campus and approved by an advisor in the College of Education;
Note: Between the time of completing 12 units and 15 units of applicable course work, the student is required to apply for advancement to candidacy.
4. Filed an approved graduate program for completion of the degree. This must be prepared in consultation with a program advisor from the Department of Teacher Education and Foundations and approved by the Program Coordinator.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable graduate level work, with at least 21 units completed in residence at this university;
2. A grade point average of 3.0 ("B") in course work taken to satisfy the degree requirements and grades of "C" (2.0) or better in all courses in the program;
3. The Graduate Writing Assessment Requirement is met when students have submitted a paper(s) that received(s) a passing score according to the approved rubric (the Writing Requirement for Graduate Candidacy, WRGC, From B, option D);
4. Successful completion of A or B below:

Group A: Masters Degree Thesis/Project Option. Choose one of the following:

ESTM 6963	STEM Education Master Project	3
ESTM 6973	STEM Education Master Thesis	3

Group B: Comprehensive Examination Option

ESTM 6954	Advanced topics in STEM Education	3
ESTM 6980	STEM Education: Comprehensive Examination	0

Degree Requirements (30 units)

Core Courses (27)

ESTM 6104	Foundations of STEM Education	3
ESTM 5114	Technology and Engineering in STEM Education	3
ESTM 6234	Teaching Science in STEM Education	3
ESTM 6244	Teaching Mathematics in STEM Education	3
ESTM 6344	Research Methods in STEM Education	3
ESTM 6134	Assessment in STEM Education	3
ESTM 6284	Equity in STEM Education	3
ESTM 6920	Practicum in STEM Education	3
ESTM 6930	Advanced Disciplinary Topics in STEM Education	3

Culminating Experience (3)

Successful completion of a comprehensive examination or a master's degree thesis/project.	3
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Total Units	30
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Culminating Experience (3 units)

Master's Thesis/Project Option (3 units)

The purpose of the thesis/project is for the student to communicate ideas gained in research, experimentation and creative endeavors. All these/projects will be planned in consultation with the student's first and

second readers. The thesis/project proposal must be approved by the student's both readers, at least one of whom must be from the College of Education. The thesis/project also must be approved by the first and second readers and submitted in the approved format. The thesis/project can be reported in the form of a paper and/or other media. Both media and non-media projects require a final written report.

ESTM 6963	STEM Education Master Project	3
ESTM 6973	STEM Education Master Thesis	3

Comprehensive Examination Option (3 units)

The written comprehensive examination is designed to test the student's knowledge in the field of STEM Education.

ESTM 6954	Advanced topics in STEM Education	3
ESTM 6980	STEM Education: Comprehensive Examination	0
Total Units		3

For the exam preparation, students are required to take ESTM 6954. Students must take ESTM 6980 to take the comprehensive examination with permission from the program coordinator. Students may not take the examination more than twice.

DRAFT 9/2019

Master of Science in Special Education

The MS in Special Education will provide students with advanced preparation in research methodologies and research--based practices that address contemporary topics and issues in the field of Special Education.

Options for emphases in Early Childhood Special Education, Mild to Moderate Disabilities, and Moderate to Severe Disabilities are available. The Special Education program recommends that students pursuing the Master of Science degree in Special Education be concurrently enrolled in an Education Specialist credential program. Students pursuing the degree only must have permission from the Special Education Program Coordinator.

Admission to the Program

In preparation for admission to the basic program, applicants must review the Special Education Credential Program Admission Booklet which can be downloaded at CSU Special Education Program website and attend a mandatory Information Session. The schedule for Information Sessions may be obtained on the CSUSB Special Education webpage.

1. Original written verification of passing score for the California Basic Educational Skills Test (CBEST);
2. Two written recommendations by persons who can address scholastic performance;
3. Verification of a negative tuberculin examination within the last four years;
4. Academic Achievement, verified through official transcripts from ALL institutions of higher education attended. Applicants must possess a minimum undergraduate grade point average of at least 3.0 in all baccalaureate and post-baccalaureate course work or at least 3.0 in the last 60 semester or 90 quarter units attempted;
5. Submission of an application for a certificate of clearance or evidence of a credential or permit authorizing public school teaching in California;
6. Satisfactory completion of prerequisite courses, ESPE 5530 and ESPE 5531, with a grade of "B" or better.

Students who do not meet these criteria may be admitted as conditionally classified graduate students. Students admitted in this category may be changed to classified standing with approval of the College of Education. No more than 12 semester units may be used to demonstrate fitness to complete the program.

Advancement to Candidacy

In addition to the above program admission requirements, master's degree candidates must successfully complete the following requirements in order to be advanced to candidacy:

1. Achieve full (classified) admission to the M.S. in Special Education program;
2. Secure approval of candidacy from the College of Education;
3. File an approved graduate program for completion of the degree. This must be prepared in consultation with an assigned advisor in the College of Education and approved by the coordinator of the Special Education program.

Note: Advancement to candidacy must be processed prior to completion of 12 semester units of master's degree course work. Candidates will not be permitted to take the comprehensive examination in the same semester they are advanced to candidacy.

Requirements for Graduation

In addition to requirements listed in Graduate Degree and Program Requirements, candidates must meet the following requirements for graduation:

1. A minimum of 33 semester units of acceptable work, with a minimum of 23 semester units completed at this university. Note: The program may not include more than 9 semester units in approved CSUSB extension or transfer courses from other colleges/universities. CSUSB will not consider the transfer of course work from an institution which will not accept that work towards its own advanced degree program.
2. A grade point average of 3.0 ("B") in course work taken to satisfy the Master of Science degree requirements with no grade lower than a "B-" in all courses in the program;
3. The Graduate Writing Assessment requirement is met through successful completion of ESPE 6602;
4. Successful completion of the project/thesis and/or comprehensive examination.

Degree Requirements (33 units)

Core course requirements (21)

ESPE 5514	Language Development in Diverse Learners	3
ESPE 6601	Critical Issues in Special Education	3
ESPE 6602	Research in Special Education	3
ESPE 6610	Educating Students with Autism Spectrum Disorders	3
ESPE 6611	Assessment and Evaluation for Planning and Instruction	3
ESPE 6612	Creating Supportive Learning Environments for Students with Disabilities	3
ESPE 6625	Collaboration and Consultation in Special Education	3

Emphasis course requirements (9)

Students must chose one of the following: 9

1. Early Childhood Special Education Option

ESPE 6615	Seminar on Language and Literacy in Early Childhood Special Education	
ESPE 6672	Birth to Age Three Methods in Early Childhood Special Education	
ESPE 6673	Preschool through Kindergarten Methods in Early Childhood Special Education	

2. Mild to Moderate Disabilities option

ESPE 6613	Seminar in Literacy Learning for K-12 Students with Disabilities	
ESPE 6642	Methods in Mild/Moderate Disabilities I	
ESPE 6643	Methods in Mild/Moderate Disabilities II	

3. Moderate to Severe Disabilities option

ESPE 6613	Seminar in Literacy Learning for K-12 Students with Disabilities	
ESPE 6662	Methods for Students with Moderate/Severe Disabilities I	

ESPE 6663	Methods for Students with Moderate/Severe Disabilities II	
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Culminating experience (3)

Students must chose ONE of the following options to demonstrate the graduate exit writing requirement: 3

Total Units		33
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Culminating Experience (3 units)

Successful completion of a project/thesis and/or the comprehensive examination is required.

Project Option (3 units)

A satisfactory project is one which must be reported in the form of a paper. The purpose of the project is for the candidate to communicate ideas gained in research, experimentation and creative endeavors; therefore, candidates should not feel bound to traditional forms. The project proposal and the project must be approved by the candidate's project advisor and one other professor in the College of Education and submitted in an approved format. Further information is available from the College of Education regarding an approved format for the project proposal and project. Candidates who elect to complete a project are not required to take a comprehensive examination.

ESPE 6960	Master of Science in Special Education Project	3
Total Units		3

Comprehensive Exam Option (3 units)

The comprehensive examination is of an integrative nature and is designed to test the candidate's knowledge of a specific field, rather than subject matter of courses taken. The examination is offered once each semester. The candidate may enroll in the examination no earlier than the last semester in which coursework course work is taken. The candidate must complete a graduation check with the Registrar's Office before permission to take the examination can be granted. Candidates who do not receive a passing score may petition the College of Education to retake the examination or any part of it. Candidates who do not receive a passing score the second time must petition the Dean of Graduate Studies to retake the examination. Approval to retake the examination may be, at any time, contingent upon completion of additional designated courses.

ESPE 6665	Seminar in Special Education	3
ESPE 6980	Comprehensive Examination	0
Total Units		3

Master of Social Work and Master of Public Administration Concurrent Degrees

College of Social and Behavioral Sciences & Business and Public Administration

Program Codes: PASW & SWPA

School of Social Work, Social & Behavioral Sciences Building, Room 423 (909) 537-5501

Department of Public Administration, Jack Brown Hall, Room 456 (909) 537-5758

The Department of Public Administration and the School of Social Work offer a graduate program leading to Master of Social Work/Master of Public Administration Concurrent Degrees. The degrees are intended for those with an interest in and promise for a career in social services that will lead to top administrative roles. Degree holders will have skills and knowledge to facilitate well-being and change at all system levels.

Prospective concurrent degrees students must be accepted under the admission procedures of each program. The MSW program requires a separate application available through the School of Social Work which will include the additional statement instructions and the Plan of Study form for the concurrent MSW/MPA degrees.

No degree will be conferred until the requirements of the both degrees are fulfilled.

Admission to the Program

To be considered for the concurrent MSW/MPA degrees, prospective students must select the concurrent MSW/MPA degrees in CSU Apply and be accepted to both the MSW and MPA programs. Prospective students must submit a copy an additional application statement with their MSW applications as directed in CSU Apply.

Advancement to Candidacy

Students must complete advancement to candidacy forms in both the MSW and MPA programs.

To be advanced to candidacy, a student must have:

1. Achieved classified status;
2. Satisfied the general university requirements for advancement to candidacy;
3. Selected a thesis committee and gained approval of the thesis topic by the thesis committee if a thesis is chosen;
4. Completed with a grade point average of 3.0 ("B") at least 30 semester units of course work in the MSW and 15 semester units in the MPA;
5. Demonstrated academic and professional competence in field and classroom;

Requirements for Graduation

1. A minimum of 73 semester units, 52 units must be completed at this university;
2. Fulfillment of all degree requirements;
3. A grade point average of at least 3.0 ("B") in both the MSW and the MPA courses; Completion of culminating research project or thesis (SW 6014 completed);
4. Complete PA 6550 Public Administration Capstone with a B or better;
5. Successful passing of the MPA Comprehensive Exam PA 6980;
6. the Graduate Writing Assessment Requirement is met upon successful completion of SW 6042.

Concurrent Degrees Requirements (73 units)

PA 6110	Public Administration Theory and Practice	3
PA 5140	Nonprofit Management and Leadership	3
PA 6620	Human Resource Management in the Public Sector	3
PA 6630	Public Budgeting and Finance	3
PA 6640	Management of Public Organizations	3
PA 6720	Administrative Regulation	3
SW 6041	Human Behavior in the Social Environment: Lifespan Development	3
SW 6042	Human Behavior in the Social Environment: Critical Topics	3
SW 6011	Social Work Research I	3
SW 6012	Social Work Research II	2
SW 6013	Research Project I	1
SW 6021	Generalist Micro Practice I	3
SW 6022	Generalist Micro Practice II	3
SW 6023	Advanced Generalist Micro Practice I	3
SW 6024	Advanced Generalist Micro Practice II	3
SW 6061	Generalist Macro Practice I	3
SW 6062	Generalist Macro Practice II	3
SW 6064	Advanced Generalist Macro Practice II	3
SW 6081	Generalist Field Work I	3
SW 6082	Generalist Field Work II	3
SW 6083	Advanced Generalist Field Work I	4
SW 6084	Advanced Generalist Field Work II	4
SW 6777	Social Work Advanced Generalist Leadership and Capstone	3

Culminating Experience (5)	5
Total Units	73

Culminating Experience (5 units)

MSW Culminating Experience (2 units)

The research project represents the culminating MSW graduate experience. The research project is developed in SW 6012 and is carried out in the field setting under individual supervision in SW 6013 and completed in SW 6014. It must be on a social work practice topic, must use objective analysis and will be presented to faculty and field personnel

orally and in writing. A thesis (SW 6971) may be done as an alternative of the research project with additional expectations, but is optional.

SW 6014	Research Project II	2
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Total Units		2

MPA Culminating Experience (3 units)

The culminating experience for the MPA consists of two parts: PA 6980 is the Comprehensive Exam which addresses core course competencies. PA 6550 addresses public administration from a strategic perspective.

PA 6550	Capstone: Strategic Planning for Government and Nonprofit Organizations	3
PA 6980	Comprehensive Examination	0
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Total Units		3

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Master of Social Work and Master of Public Administration Concurrent Degrees

College of Social and Behavioral Sciences & Business and Public Administration

Program Codes: PASW & SWPA

School of Social Work, Social & Behavioral Sciences Building, Room 423 (909) 537-5501

Department of Public Administration, Jack Brown Hall, Room 456 (909) 537-5758

The Department of Public Administration and the School of Social Work offer a graduate program leading to Master of Social Work/Master of Public Administration Concurrent Degrees. The degrees are intended for those with an interest in and promise for a career in social services that will lead to top administrative roles. Degree holders will have skills and knowledge to facilitate well-being and change at all system levels.

Prospective concurrent degrees students must be accepted under the admission procedures of each program. The MSW program requires a separate application available through the School of Social Work which will include the additional statement instructions and the Plan of Study form for the concurrent MSW/MPA degrees.

No degree will be conferred until the requirements of the both degrees are fulfilled.

Admission to the Program

To be considered for the concurrent MSW/MPA degrees, prospective students must select the concurrent MSW/MPA degrees in CSU Apply and be accepted to both the MSW and MPA programs. Prospective students must submit a copy an additional application statement with their MSW applications as directed in CSU Apply.

Advancement to Candidacy

Students must complete advancement to candidacy forms in both the MSW and MPA programs.

To be advanced to candidacy, a student must have:

1. Achieved classified status;
2. Satisfied the general university requirements for advancement to candidacy;
3. Selected a thesis committee and gained approval of the thesis topic by the thesis committee if a thesis is chosen;
4. Completed with a grade point average of 3.0 ("B") at least 30 semester units of course work in the MSW and 15 semester units in the MPA;
5. Demonstrated academic and professional competence in field and classroom;

Requirements for Graduation

1. A minimum of 73 semester units, 52 units must be completed at this university;
2. Fulfillment of all degree requirements;
3. A grade point average of at least 3.0 ("B") in both the MSW and the MPA courses; Completion of culminating research project or thesis (SW 6014 completed);
4. Complete PA 6550 Public Administration Capstone with a B or better;
5. Successful passing of the MPA Comprehensive Exam PA 6980;
6. the Graduate Writing Assessment Requirement is met upon successful completion of SW 6042.

Concurrent Degrees Requirements (73 units)

PA 6110	Public Administration Theory and Practice	3
PA 5140	Nonprofit Management and Leadership	3
PA 6620	Human Resource Management in the Public Sector	3
PA 6630	Public Budgeting and Finance	3
PA 6640	Management of Public Organizations	3
PA 6720	Administrative Regulation	3
SW 6041	Human Behavior in the Social Environment: Lifespan Development	3
SW 6042	Human Behavior in the Social Environment: Critical Topics	3
SW 6011	Social Work Research I	3
SW 6012	Social Work Research II	2
SW 6013	Research Project I	1
SW 6021	Generalist Micro Practice I	3
SW 6022	Generalist Micro Practice II	3
SW 6023	Advanced Generalist Micro Practice I	3
SW 6024	Advanced Generalist Micro Practice II	3
SW 6061	Generalist Macro Practice I	3
SW 6062	Generalist Macro Practice II	3
SW 6064	Advanced Generalist Macro Practice II	3
SW 6081	Generalist Field Work I	3
SW 6082	Generalist Field Work II	3
SW 6083	Advanced Generalist Field Work I	4
SW 6084	Advanced Generalist Field Work II	4
SW 6777	Social Work Advanced Generalist Leadership and Capstone	3

Culminating Experience (5)	5
Total Units	73

Culminating Experience (5 units)

MSW Culminating Experience (2 units)

The research project represents the culminating MSW graduate experience. The research project is developed in SW 6012 and is carried out in the field setting under individual supervision in SW 6013 and completed in SW 6014. It must be on a social work practice topic, must use objective analysis and will be presented to faculty and field personnel

orally and in writing. A thesis (SW 6971) may be done as an alternative of the research project with additional expectations, but is optional.

SW 6014	Research Project II	2
Total Units		2

MPA Culminating Experience (3 units)

The culminating experience for the MPA consists of two parts: PA 6980 is the Comprehensive Exam which addresses core course competencies. PA 6550 addresses public administration from a strategic perspective.

PA 6550	Capstone: Strategic Planning for Government and Nonprofit Organizations	3
PA 6980	Comprehensive Examination	0
Total Units		3

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Master of Social Work

Also offered through the College of Extended and Global Education (<http://cel.csusb.edu/>)

The School of Social Work offers courses leading to the Master of Social Work (MSW) degree and is designed to educate advanced generalist social work leaders with a program that equally emphasizes micro and macro practice. The micro practice sequence of courses prepares students to promote change and well-being with individuals, families and groups. The macro practice sequence of courses prepares students to promote change and well-being with organizations and communities with an integrated focus on policy practice. The program is based upon the requirements of the Council on Social Work Education, the national accrediting body for social work programs.

The MSW program is offered in two models: Model (1) offers four semesters of course work leading to the MSW degree within two academic years. This option is intended for students who can devote their time and attention to full-time, intensive study. Model (2) offers the same course work over three academic years. The MSW program includes 1080 hours (two or two and a half days) of supervised placement in an agency during the regular work week in the daytime over two academic years. Model (2) is too intensive for students who work 40 hours per week. It is necessary for these students to reduce their hours of employment.

Admission to the Program

Admission to the MSW program is based on an examination of an admission application. In addition to the general requirements of the university, specific minimum requirements for admission consideration are:

1. A baccalaureate degree from an accredited college or university;
2. A grade point average of 3.0 ("B") or better in all course work; or
3. A grade point average of 3.0 ("B") or better in the last 90 quarter units or last 60 semester units; **A GPA of 2.8 or higher (cumulative or last 60 semester units/last 90 quarter units) may be considered with significant social service experience and overall application.*
4. An academic background in the liberal arts; with social and behavioral sciences preferred;
5. A year of full-time paid experience, and/or applicable internship or volunteer service in the field of social work (this requirement may be waived);
6. Evidence of personal qualifications, motivation, and experience that indicate likelihood of becoming a successful social worker; an autobiographical statement and three letters of reference from individuals who are familiar with the student's work, academic background, potential, and level of maturity;
7. A course in each of the following:
 - a. Social Science Research Methods
 - b. Human Behavior Theory
 - c. Human Biology

Course Waivers

Students are permitted to satisfy course requirements in the generalist year curriculum by passing a challenge assessment in each required course. Courses which are successfully challenged must be substituted with an approved elective so that a total of 60 semester units are

completed for the master's degree. Field work courses are not subject to waiver.

Students with BSW degrees from universities or colleges with accredited BSW programs are required to meet with their faculty advisor prior to beginning course work to determine whether any generalist year MSW courses are redundant with their undergraduate preparation. Such determination may be based on course syllabi, texts, informal evaluation or formal examination. Each course waived for the qualified BSW applicant must be substituted with an approved elective so that a total of 60 semester units is completed for the master's degree.

Advancement to Candidacy

To be advanced to candidacy, a student must have:

1. Achieved classified status;
2. Satisfied the general university requirements for advancement to candidacy;
3. Completed the Graduate Entrance Writing requirement through passing the writing intensive SW 6042 course with at least a "B" grade;
4. Completed with a grade point average of at least 3.0 ("B"), at least 30 semester units of course work;
5. Selected a thesis committee and gained approval of the thesis topic by the thesis committee if a thesis is chosen;
6. Filed an Advancement to Candidacy form which must have the approval of the student's advisor, the field director and department director indicating demonstrated academic and professional competence in field and classroom.

Requirements for Graduation

1. A minimum of 60 semester units of designated graduate courses as approved on the petition for advancement to candidacy;
2. A grade point average of at least 3.0 ("B");
3. Completion of a culminating research project or a thesis;
4. Up to one half of the course work (30 semester units) may be transferred from an accredited MSW program. Only grades of "B" (3.0) or better will be accepted and students must first be accepted for admission. Courses not in keeping with program requirements may not be acceptable;
5. Completion of all MSW coursework within a four year period;
6. Completion of SW 6013 and SW 6014, which will fulfill the Graduation Writing Assessment Requirement;
7. Any additional requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Electives

In lieu of taking electives in the social work curriculum, students may take up to six semester units of relevant 5000- or 6000-level coursework from other disciplines with the approval of their advisor.

Accreditation

The program has held full accreditation by the Commission on Accreditation of the Council on Social Work Education since February, 1992. Questions regarding accreditation should be directed to the director of the School of Social Work.

Degree Requirements (60 units)

(Program Code: SWM_)

Required courses leading to the MSW degree cover five curricular areas: Human Behavior and the Social Environment, Micro Practice, Macro Practice, Research, and Field Work. Courses within each curricular area must be completed in sequence, as they are listed below, and all generalist courses in a category must be completed before taking advanced generalist courses in the same category.

Generalist Curriculum (32)

SW 6041	Human Behavior in the Social Environment: Lifespan Development	3
SW 6042	Human Behavior in the Social Environment: Critical Topics	3
SW 6021	Generalist Micro Practice I	3
SW 6022	Generalist Micro Practice II	3
SW 6061	Generalist Macro Practice I	3
SW 6062	Generalist Macro Practice II	3
SW 6011	Social Work Research I	3
SW 6012	Social Work Research II	2
SW 6081	Generalist Field Work I	3
SW 6082	Generalist Field Work II	3
Three units of electives from the list below, or approved by advisor if taken outside the school.		3
SW 6031	Social Work in the Global Perspective	
SW 6033	Social Work Intervention with the Elderly and Their Families	
SW 6032	Social Work with Alcohol and Drug Abuse	
SW 6038	Public Child Welfare: Policy and Practice	
SW 6901	Advanced Topics in Social Work I	

Advanced Generalist Curriculum (28)

SW 6023	Advanced Generalist Micro Practice I	3
SW 6024	Advanced Generalist Micro Practice II	3
SW 6063	Advanced Generalist Macro Practice I	3
SW 6064	Advanced Generalist Macro Practice II	3
SW 6013	Research Project I	1
SW 6014	Research Project II	2
SW 6083	Advanced Generalist Field Work I	4
SW 6084	Advanced Generalist Field Work II	4
SW 6777	Social Work Advanced Generalist Leadership and Capstone	3
SW 6902	Advanced Topics in Social Work II	2
Total Units		60

Culminating Experience (5 units)

The research project represents the culminating graduate experience. The research project is developed in SW 6012 and is carried out in the field setting and completed under individual supervision in SW 6013 and SW 6014. It must be on a social work practice topic, must use objective analysis and will be presented to faculty and field personnel orally and in writing. A thesis (SW 6971) may be done as an alternative of the research project with additional expectations, but is optional.

Master of Science in Environmental Sciences

The Master of Science in Environmental Sciences is a multidisciplinary program. In addition to courses in chemistry and geology, there are opportunities for study in economics, geography, health sciences, management, and public administration. Students are admitted from numerous backgrounds, but generally with bachelor's degrees in some scientific field such as chemistry, biology, or environmental science. This program is designed to provide a broad background in sciences relevant to the environment, and is designed so that it can potentially be completed in two years.

The culminating experience in the M.S. in Environmental Sciences is either an internship coupled with an extended project and its defense, or a research thesis and defense of the thesis.

Admission to the Program

Specific requirements for admission to classified graduate status are:

1. A baccalaureate degree from an accredited college or university;
2. Completion of an undergraduate major in geology, chemistry or associated fields (e.g., biology or environmental studies with at least 24 semester units of upper-division science course work);
3. One year each of laboratory courses in: general chemistry, organic chemistry and physics;
4. One full-term course in basic calculus or methods in calculus and quantitative analysis (analytical chemistry);
5. A cumulative undergraduate grade point average of at least 3.0 in all courses used for credit in the major;
6. Submission of scores from the Graduate Record Examination (GRE) to Graduate Admissions;
7. Submission to the Graduate Coordinator of a one-page, typewritten statement of the student's preparation for graduate study, goals in the graduate program, potential area of study and possible advisor, and professional goals following completion of the M.S.;
8. Submission of three letters of recommendation from people who are in a position to make relevant comments on the student's intent and potential for success in the program. At least two of the letters should be from current or former college or university faculty familiar with the student's scholarship and related activities, sent to the Graduate Coordinator.

Students are considered for admission for the fall semester. Under compelling circumstances, applications may be considered for spring semester. Please consult the Graduate Coordinator for more information.

Advancement to Candidacy

To be advanced to candidacy, the student must have:

1. Achieved classified status;
2. Been accepted by a major advisor from the M.S. in Environmental Sciences program;
3. Completed at least 6 semester units of work applicable to the degree program as a graduate student at this university, and with a minimum grade point average of 3.0 ("B");

4. Submitted a formal program of graduate course work, in addition to a project or thesis proposal, prepared in consultation with and approved by the student's thesis committee, and approved by the graduate coordinator;

Gained final approval of the program and of the candidacy itself by the Dean of Graduate Studies.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable graduate level work included in the formal program, with no less than 21 units completed in residence at this University and with at least 21 units gained from 5000- and 6000-level courses approved by the program;
2. Advancement to candidacy for the degree and approval of the specific program of courses;
3. A cumulative grade point average of "B" (3.0) or better in all graduate course work fulfilling the requirements of the program, and a grade of "C" (2.0) or better in each course in the program;
4. Completion and defense of an internship and project, or a thesis;
5. The graduation writing requirement is met upon successful completion of the project or thesis, if not met earlier;
6. Any additional general requirements not cited above and listed in [Graduate Degree and Program Requirements](#).

Department Graduate Admissions Committee and Major Advisor

The Environmental Sciences Graduate Admissions Committee consists of the graduate program coordinator and two or more faculty members available for consultation. This committee will determine whether students are adequately prepared for graduate study in environmental sciences, and has general supervision over the work of students progressing toward the master's degree.

Each new graduate student will consult with the graduate program coordinator for academic advising until the student has been accepted by a major advisor. Early in their graduate studies, students in consultation with their advisor, will select a project or thesis committee including the advisor and at least two other appropriate faculty. When appropriate, one member of the committee may be a person from another department or another institution who has expertise in the area of proposed research.

All students are responsible for selecting their major advisor and, in turn, must be accepted by the major advisor. The student, in consultation with their committee, will develop a program of specific courses and an acceptable project research proposal based on the student's interests, abilities and preparation. The major advisor will direct the research and, where appropriate, supervise the internship. The program of courses and the project/research topic, as well as any subsequent modification of these, are subject to approval by the student's committee, the Graduate Coordinator, and the Dean of Graduate Studies.

Students enrolled in the graduate program wishing to take courses off campus and include them in the degree program must petition the Graduate Coordinator for approval, otherwise the course may not be accepted as part of the program. Extension courses at the X1000- to X9999-level are not applicable to the graduate program. Courses at the 3000- and 4000-level, other than those specified as possible electives in the program will be accepted only by written approval of the committee. Courses taken to satisfy quantitative or qualitative deficiencies cannot be applied toward a master's degree. Repeat of courses require approval of the Graduate Coordinator and will be granted only for serious and compelling reasons.

Degree Requirements (30 units)

Core Courses (15)

BIOL 5050	Biostatistics and Experimental Design	3
	or HSCI 6210 Advanced Biostatistics for Public Health	
	or NURS 6355 Biostatistics	
CHEM 5320	Atmospheric Chemistry	3
	or GEOG 4250 Watershed Hydrology and Management	
ECON 3740	Economics of Climate Change	3
GEOL 6000	Advanced Environmental Chemistry and Geosciences	4
	or CHEM 6000 Advanced Environmental Chemistry and Geosciences	
GEOL 6900	Graduate Seminar	2
	or CHEM 6900 Graduate Seminar	

Elective Courses (9)

Choose a minimum of 9 units; at least one course must be 5000- or 6000-level (some of these elective courses have prerequisites that must be satisfied before the course can be taken).

BIOL 3200	Microbiology	
BIOL 3800	Ecology	
CHEM 5320	Atmospheric Chemistry (if not previously used as a core course)	
CHEM 5200	Instrumental Analysis	
CHEM 5753	Internship in Chemistry (if not previously used as a core course)	
CHEM 5903	Directed Laboratory Research	
CHEM 6752	Advanced Internship	
CHEM 6753	Advanced Internship	
GEOG 4880	Remote Sensing of the Environment	
GEOG 3710	Advanced Geographic Information Systems	
GEOG 3730	Geo-Spatial Analysis	
GEOG 3500	Conservation and Natural Resources	
GEOG 4860	GIS and Socio-Economic Applications	
GEOG 6500	Environmental Issues of Land Management	
GEOG 4250	Watershed Hydrology and Management (if not previously used as a core course)	
GEOL 3700	Groundwater Hydrology	
GEOL 3750	Field Methods in Hydrology	
GEOL 4100	Engineering Geology	
GEOL 5280	Digital Mapping and GIS for Scientists	
GEOL 5400	Environmental Hydrology	
GEOL 5753	Internship in Geology (if not previously used as core courses)	
GEOL 5440	Environmental Geochemistry	
GEOL 5460	Low-temperature Geochemistry	
GEOL 5600	Earth Resources	
GEOL 5620	Site Investigation, Siting, and Case Histories in Engineering Geology	
GEOL 5951	Independent Study	
GEOL 5952	Independent Study	
GEOL 5953	Independent Study	
GEOL 6100	Graduate Geological Mapping	
GEOL 6752	Advanced Internship	
HSCI 3580	Principles of Toxicology	

HSCI 4578	Environmental Health Management	
MGMT 3350	Business, Ethics, and Society	
PA 3150	Society, Business, & Global Governance	
PA 5200	Water Law, Regulation and Policy	
PA 6720	Administrative Regulation	

Culminating Experience (6)	6
Total Units	30

Culminating Experience (6 units)

The culminating experience in the M.S. in Environmental Sciences is either an internship coupled with an extended project and its defense, or a research thesis and defense of the thesis.

Internship and Project Option (6 units)

GEOL 5753	Internship in Geology	3
	or CHEM 5753 Internship in Chemistry	
GEOL 6960	Graduate Project	3
	or CHEM 6960 Graduate Project in Chemistry	
Total Units	6	

Research and Thesis Option (6 units)

GEOL 6950	Directed Graduate Research in Geology	3
	or CHEM 6950 Directed Graduate Research in Chemistry	
GEOL 6970	Graduate Thesis	3
	or CHEM 6970 Graduate Thesis	
Total Units	6	

Master of Science in Environmental Sciences

The Master of Science in Environmental Sciences is a multidisciplinary program. In addition to courses in chemistry and geology, there are opportunities for study in economics, geography, health sciences, management, and public administration. Students are admitted from numerous backgrounds, but generally with bachelor's degrees in some scientific field such as chemistry, biology, or environmental science. This program is designed to provide a broad background in sciences relevant to the environment, and is designed so that it can potentially be completed in two years.

The culminating experience in the M.S. in Environmental Sciences is either an internship coupled with an extended project and its defense, or a research thesis and defense of the thesis.

Admission to the Program

Specific requirements for admission to classified graduate status are:

1. A baccalaureate degree from an accredited college or university;
2. Completion of an undergraduate major in geology, chemistry or associated fields (e.g., biology or environmental studies with at least 24 semester units of upper-division science course work);
3. One year each of laboratory courses in: general chemistry, organic chemistry and physics;
4. One full-term course in basic calculus or methods in calculus and quantitative analysis (analytical chemistry);
5. A cumulative undergraduate grade point average of at least 3.0 in all courses used for credit in the major;
6. Submission of scores from the Graduate Record Examination (GRE) to Graduate Admissions;
7. Submission to the Graduate Coordinator of a one-page, typewritten statement of the student's preparation for graduate study, goals in the graduate program, potential area of study and possible advisor, and professional goals following completion of the M.S.;
8. Submission of three letters of recommendation from people who are in a position to make relevant comments on the student's intent and potential for success in the program. At least two of the letters should be from current or former college or university faculty familiar with the student's scholarship and related activities, sent to the Graduate Coordinator.

Students are considered for admission for the fall semester. Under compelling circumstances, applications may be considered for spring semester. Please consult the Graduate Coordinator for more information.

Advancement to Candidacy

To be advanced to candidacy, the student must have:

1. Achieved classified status;
2. Been accepted by a major advisor from the M.S. in Environmental Sciences program;
3. Completed at least 6 semester units of work applicable to the degree program as a graduate student at this university, and with a minimum grade point average of 3.0 ("B");

4. Submitted a formal program of graduate course work, in addition to a project or thesis proposal, prepared in consultation with and approved by the student's thesis committee, and approved by the graduate coordinator;

Gained final approval of the program and of the candidacy itself by the Dean of Graduate Studies.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable graduate level work included in the formal program, with no less than 21 units completed in residence at this University and with at least 21 units gained from 5000- and 6000-level courses approved by the program;
2. Advancement to candidacy for the degree and approval of the specific program of courses;
3. A cumulative grade point average of "B" (3.0) or better in all graduate course work fulfilling the requirements of the program, and a grade of "C" (2.0) or better in each course in the program;
4. Completion and defense of an internship and project, or a thesis;
5. The graduation writing requirement is met upon successful completion of the project or thesis, if not met earlier;
6. Any additional general requirements not cited above and listed in [Graduate Degree and Program Requirements](#).

Department Graduate Admissions Committee and Major Advisor

The Environmental Sciences Graduate Admissions Committee consists of the graduate program coordinator and two or more faculty members available for consultation. This committee will determine whether students are adequately prepared for graduate study in environmental sciences, and has general supervision over the work of students progressing toward the master's degree.

Each new graduate student will consult with the graduate program coordinator for academic advising until the student has been accepted by a major advisor. Early in their graduate studies, students in consultation with their advisor, will select a project or thesis committee including the advisor and at least two other appropriate faculty. When appropriate, one member of the committee may be a person from another department or another institution who has expertise in the area of proposed research.

All students are responsible for selecting their major advisor and, in turn, must be accepted by the major advisor. The student, in consultation with their committee, will develop a program of specific courses and an acceptable project research proposal based on the student's interests, abilities and preparation. The major advisor will direct the research and, where appropriate, supervise the internship. The program of courses and the project/research topic, as well as any subsequent modification of these, are subject to approval by the student's committee, the Graduate Coordinator, and the Dean of Graduate Studies.

Students enrolled in the graduate program wishing to take courses off campus and include them in the degree program must petition the Graduate Coordinator for approval, otherwise the course may not be accepted as part of the program. Extension courses at the X1000- to X9999-level are not applicable to the graduate program. Courses at the 3000- and 4000-level, other than those specified as possible electives in the program will be accepted only by written approval of the committee. Courses taken to satisfy quantitative or qualitative deficiencies cannot be applied toward a master's degree. Repeat of courses require approval of the Graduate Coordinator and will be granted only for serious and compelling reasons.

Degree Requirements (30 units)

Core Courses (15)

BIOL 5050	Biostatistics and Experimental Design	3
	or HSCI 6210 Advanced Biostatistics for Public Health	
	or NURS 6355 Biostatistics	
CHEM 5320	Atmospheric Chemistry	3
	or GEOG 4250 Watershed Hydrology and Management	
ECON 3740	Economics of Climate Change	3
GEOL 6000	Advanced Environmental Chemistry and Geosciences	4
	or CHEM 6000 Advanced Environmental Chemistry and Geosciences	
GEOL 6900	Graduate Seminar	2
	or CHEM 6900 Graduate Seminar	

Elective Courses (9)

Choose a minimum of 9 units; at least one course must be 5000- or 6000-level (some of these elective courses have prerequisites that must be satisfied before the course can be taken).

BIOL 3200	Microbiology	
BIOL 3800	Ecology	
CHEM 5320	Atmospheric Chemistry (if not previously used as a core course)	
CHEM 5200	Instrumental Analysis	
CHEM 5753	Internship in Chemistry (if not previously used as a core course)	
CHEM 5903	Directed Laboratory Research	
CHEM 6752	Advanced Internship	
CHEM 6753	Advanced Internship	
GEOG 4880	Remote Sensing of the Environment	
GEOG 3710	Advanced Geographic Information Systems	
GEOG 3730	Geo-Spatial Analysis	
GEOG 3500	Conservation and Natural Resources	
GEOG 4860	GIS and Socio-Economic Applications	
GEOG 6500	Environmental Issues of Land Management	
GEOG 4250	Watershed Hydrology and Management (if not previously used as a core course)	
GEOL 3700	Groundwater Hydrology	
GEOL 3750	Field Methods in Hydrology	
GEOL 4100	Engineering Geology	
GEOL 5280	Digital Mapping and GIS for Scientists	
GEOL 5400	Environmental Hydrology	
GEOL 5753	Internship in Geology (if not previously used as core courses)	
GEOL 5440	Environmental Geochemistry	
GEOL 5460	Low-temperature Geochemistry	
GEOL 5600	Earth Resources	
GEOL 5620	Site Investigation, Siting, and Case Histories in Engineering Geology	
GEOL 5951	Independent Study	
GEOL 5952	Independent Study	
GEOL 5953	Independent Study	
GEOL 6100	Graduate Geological Mapping	
GEOL 6752	Advanced Internship	
HSCI 3580	Principles of Toxicology	

HSCI 4578	Environmental Health Management	
MGMT 3350	Business, Ethics, and Society	
PA 3150	Society, Business, & Global Governance	
PA 5200	Water Law, Regulation and Policy	
PA 6720	Administrative Regulation	
Culminating Experience (6)		6
Total Units		30

Culminating Experience (6 units)

The culminating experience in the M.S. in Environmental Sciences is either an internship coupled with an extended project and its defense, or a research thesis and defense of the thesis.

Internship and Project Option (6 units)

GEOL 5753	Internship in Geology	3
	or CHEM 5753 Internship in Chemistry	
GEOL 6960	Graduate Project	3
	or CHEM 6960 Graduate Project in Chemistry	
Total Units		6

Research and Thesis Option (6 units)

GEOL 6950	Directed Graduate Research in Geology	3
	or CHEM 6950 Directed Graduate Research in Chemistry	
GEOL 6970	Graduate Thesis	3
	or CHEM 6970 Graduate Thesis	
Total Units		6

Master of Science in Geology

Pending Chancellor's Office Approval

The Master of Science in Geology is designed to provide strong preparation in geological sciences, focused directly on geological study and research. The program is designed so that it can potentially be completed in two years of full-time work. This program is intended for students who wish to pursue graduate level work as a prelude for doctoral studies, or as professional preparation for careers in geological fields.

Department Graduate Committee and Thesis Advisor

The Geology Graduate Admissions Committee consists of the graduate program coordinator and two or more faculty members available for consultation. This committee will determine whether students are adequately prepared for graduate study in Geology, and has general supervision over the work of students progressing toward the master's degree.

Each new graduate student will consult with the graduate program coordinator for academic advising until the student has been accepted by a thesis advisor. All students are responsible for selecting their thesis advisor and, in turn, must be accepted by the thesis advisor.

Early in their graduate studies, students in consultation with their thesis advisor, will select a thesis committee including the thesis advisor and at least two other faculty from the Department of Geological Sciences. When appropriate, one member of the committee may be a person from another department or another institution who has expertise in the area of proposed thesis research. The student, in consultation with their thesis committee, will develop a program of specific courses and an acceptable thesis proposal based on the student's interests, abilities and preparation. The thesis advisor will guide the research. The program of courses and the research topic, as well as any subsequent modification of these, are subject to approval by the student's thesis committee, the Graduate Coordinator, and the Dean of Graduate Studies. Upon completion of the research, an oral defense consisting primarily of discussion of the thesis research is required. Successful completion of the defense includes acceptance of the final thesis by the thesis committee.

Students enrolled in the graduate program wishing to take courses off campus and include them in the degree program must petition the Graduate Coordinator for approval, otherwise the course may not be accepted as part of the program. Extension courses at the X1000- to X9999-level are not applicable to the graduate program. Courses at the 3000- and 4000-level, other than those specified as possible electives in the program will be accepted only by written approval of the committee. Courses taken to satisfy quantitative or qualitative deficiencies cannot be applied toward a master's degree. Repeat of courses require approval of the Graduate Coordinator and will be granted only for serious and compelling reasons.

Admission to the Program

Specific requirements for admission to classified graduate status are:

1. A baccalaureate degree from an accredited college or university;
2. Completion of an undergraduate major in geology or associated fields (e.g., geography or environmental studies) with at least 24 semester units of upper-division geology course work;

3. One year each of laboratory courses in: general chemistry and physics;
4. One full-term course in basic calculus or methods in calculus;
5. One full-term course in Geographic Information Systems;
6. A cumulative undergraduate grade point average of at least 3.0 in all courses used for credit in the major;
7. Submission of scores from the Graduate Record Examination (GRE) to the Geology Graduate Admissions Committee;
8. Submission to the Graduate Coordinator of a one-page, typewritten statement of the student's preparation for graduate study, goals in the graduate program, potential area of research and possible advisor, and professional goals following completion of the M.S.;
9. Submission of three letters of recommendation from people who are in a position to make relevant comments on the student's intent and potential for success in the program. At least two of the letters should be from current or former college or university faculty familiar with the student's scholarship and related activities.

Students are considered for admission for the fall semester. Under compelling circumstances, applications may be considered for spring semester. Please consult the Graduate Coordinator for more information.

Advancement to Candidacy

To be advanced to candidacy, the student must have:

1. Achieved classified status;
2. Been accepted by a major advisor from the M.S. in Geology program;
3. Completed at least 6 semester units of work applicable to the degree program as a graduate student at this university, and with a minimum grade point average of 3.0 ("B");
4. Submitted a formal program of graduate course work, in addition to a thesis proposal, prepared in consultation with and approved by the student's thesis committee, and approved by the graduate coordinator;
5. Gained final approval of the program and of the candidacy itself by the Dean of Graduate Studies.

Requirements for Graduation

1. A minimum of 30 semester units of acceptable graduate level work included in the formal program, with no less than 21 units completed in residence at this University and with at least 21 units gained from 5000- and 6000-level courses approved by the program;
2. Advancement to candidacy for the degree and approval of the specific program of courses;
3. A cumulative grade point average of 3.0 ("B") in all graduate course work fulfilling the requirements of the program, and a grade of "C" (2.0) or better in each course in the program;
4. Completion and defense of a thesis;
5. The graduation writing requirement is met upon successful completion of the thesis, if not met earlier;
6. Any additional general requirements not cited above and listed in Graduate Degree and Program Requirements (<http://bulletin.csusb.edu/graduate-degree-programs/graduate-degree-program-requirements/>).

Degree Requirements (30 units)

Core Courses (6)

GEOL 6000	Advanced Environmental Chemistry and Geosciences	4
	or CHEM 6000 Advanced Environmental Chemistry and Geosciences	
GEOL 6900	Graduate Seminar	2
	or CHEM 6900 Graduate Seminar	
	cross listed as GEOL 6900	

Electives (15)

A minimum of 15 units, at least 6 of which are 5000- or 6000-level courses (some of these elective courses have prerequisites that must be satisfied before the course can be taken). 15

CHEM 5903	Directed Laboratory Research	
CHEM 5200	Instrumental Analysis	
GEOG 3710	Advanced Geographic Information Systems	
GEOG 3730	Geo-Spatial Analysis	
GEOG 4860	GIS and Socio-Economic Applications	
GEOG 4400	Geomorphology	
GEOL 3700	Groundwater Hydrology	
GEOL 3750	Field Methods in Hydrology	
GEOL 4100	Engineering Geology	
GEOL 5000	Advanced Topics in Geology	
GEOL 5000L	Laboratory for Advanced Topics in Geology	
GEOL 5200	Tectonics	
GEOL 5220	Neotectonics and Seismic Hazard Analysis	
GEOL 5240	Volcanology and Volcanic Hazard Assessment	
GEOL 5260	Advanced Structural Geology	
GEOL 5280	Digital Mapping and GIS for Scientists	
GEOL 5300	Microscopy	
GEOL 5400	Environmental Hydrology	
GEOL 5420	Geochemical Thermodynamics	
GEOL 5440	Environmental Geochemistry	
GEOL 5460	Low-temperature Geochemistry	
GEOL 5600	Earth Resources	
GEOL 5620	Site Investigation, Siting, and Case Histories in Engineering Geology	
GEOL 5751	Internship in Geology	
GEOL 5752	Internship in Geology	
GEOL 5753	Internship in Geology	
GEOL 5951	Independent Study	
GEOL 5952	Independent Study	
GEOL 5953	Independent Study	
GEOL 6100	Graduate Geological Mapping	
GEOL 6752	Advanced Internship	

Culminating Experience (9) 9

Total Units 30

GEOL 6940	Graduate Research Methods and Design	3
GEOL 6950	Directed Graduate Research in Geology	3
GEOL 6970	Graduate Thesis	3
Total Units		9

Culminating Experience (9 units)

The culminating experience in the M.S. in Geology is a research thesis and defense of the thesis. Students will be encouraged to publish their work in a peer-reviewed journal.

Minor in Accounting

Requirements for a minor in Accounting (24 units)

Lower-division requirements (6)

ACCT 2110	Introductory Accounting I	3
ACCT 2120	Introductory Accounting II	3

Upper-division requirements (18)

ACCT 3720	Intermediate Accounting I	3
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Fifteen units chosen from the following course: 15

MGMT 2300	Legal Environment of Organizations	
ACCT 3150	Accounting Information Systems and Business Ethics	
ACCT 3470	Management Accounting and Ethics in Business	
ACCT 3730	Intermediate Accounting II	
ACCT 4260	Introduction to Taxation	
ACCT 4400	Financial Statement Auditing	
ACCT 5680	Accounting for Government and Not-for-Profit Organizations	
ACCT 5360	Corporate and Partnership Taxation	
ACCT 5390	Advanced Accounting	
ACCT 5410	EDP Auditing and Control	
ACCT 5440	Accounting Law, Ethics and Institutions	
FIN 3555	Business and Asian Culture	

Total Units 24

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Minor in Aerospace Studies

The minor in aerospace studies consists of a minimum of 18 units in aerospace studies, 12 of which must be upper division.

Requirements for a minor in Aerospace Studies (18 units)

AS 1001	Heritage and Values I	1.5
AS 1002	Heritage and Values II	1.5
AS 2001	Team and Leadership Fundamentals I	1.5
AS 2002	Team and Leadership Fundamentals II	1.5
AS 3001	Leading People/Effective Communication I	3
AS 3002	Leading People/Effective Communication II	3
AS 4001	National Security/Leadership Responsibilities/ Commissioning Preparation I	3
AS 4002	National Security/Leadership Responsibilities/ Commissioning Preparation II	3
Total Units		18

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Minor in Alternative Styles of Music

This minor is being proposed to meet the needs of our students who frequently come in to the Music Department with a background in alternative styles (jazz, mariachi, rock n'roll, etc.), and are seeking to pursue a career in a field other than western classical music. The minor essentially requires students to take six units of music history courses that are pertinent to alternative styles, students need to do eight units of "applied" instrument, composing/arranging, and/or technology studies, they have a three unit alternative styles ensemble requirement, and then the music business class "The Artist Entrepreneur's Toolkit" and the Alternative Styles Capstone, which will require them to prepare a final project performance, based on what they have learned and assimilated as performers throughout the coursework for this minor. The goal is to help students become well-rounded in the history, construction, and performance practice associated with alternative styles, and then to be able to couple this knowledge with a music business class and a capstone project that will prepare our students for a career in the "real world" industry of alternative/popular styles of music.

Requirements for a minor in Alternative Styles in Music (21 units)

Pre-requisite requirements: (0)

MUS 1100	Fundamentals of Music Theory
MUS 1110	Basic Musicianship
MUS 2120	Theory I
MUS 2125	Musicianship I

6 units chosen from: (6) 6

MUS 2350	Popular Music Literature
MUS 3309	Jazz History in America and African-American Culture
MUS 3500	Global Music
MUS 3510	Latin American Music
MUS 3520	African American Music
CAL 1804	Rock and Roll: Justice and Society
MUS 3610	Music in the United States

8 units chosen from: (8) 8

MUS 2050	Class Guitar
MUS 2200	Class Piano I
MUS 2210	Class Piano II
MUS 2220	Class Piano III
MUS 2224	Popular/Commercial Class Piano
MUS 2600	Commercial Songwriting
MUS 2660	Electronic Music Production
MUS 2670	Sound Recording
MUS 3300	Jazz Improvisation
MUS 4140	Commercial Arranging and Scoring
MUS 4170	Composition for Films and Television
MUS 4290	Topics in Music Technology
MUS 4660	Advanced Electronic Music
MUS 4670	Advanced Studio Recording Techniques

3 units chosen from: (3) 3

MUS 3827	Chamber Music: Jazz Combo
MUS 3828	Chamber Music: World Music
MUS 3834	Coyote Mariachi Ensemble
MUS 3910	Jazz Ensemble
MUS 3920	Vocal Jazz
MUS 3960	Reverence Singers
Required courses: (4)	4
CAL 4100	The Artist Entrepreneur's Toolkit
MUS 3835	Alternative Styles Capstone
Total Units	21

In addition to the grade point average requirements stated in Program Requirements for a Bachelor's Degree, students must earn a grade of "C" (2.0) or better in all courses required to fulfill the Minor in Alternative Styles of Music.

Minor in Anthropology

Requirements for a minor in Anthropology (21 units)

ANTH 1001	Humans, Apes, and Monkeys: Introduction to Biological Anthropology	3
ANTH 1002	Understanding Cultural Diversity	3
ANTH 1400	World History to c. 1500	3
or HIST 1400	World History to c. 1500	
Twelve upper-division units chosen in consultation with an advisor.		12
Total Units		21

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Minor in Applied Physics

Requirements for a minor in Applied Physics (36 units)

Lower-division requirements (27)

MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2310	Applied Linear Algebra	4
MATH 2320	Multivariable Calculus	4
PHYS 2500	General Physics I	4
PHYS 2500L	General Physics I Lab	1
PHYS 2510	General Physics II	4
PHYS 2510L	General Physics II Lab	1
PHYS 2600L	Introduction to Electronics	1

Upper-division requirements (9)

PHYS 3100	Mathematical Methods of Physics	4
PHYS 3300	Computational Physics	3
PHYS 3600	Data Acquisition and Control	2
Total Units		36

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Minor in Arabic

Requirements for a minor in Arabic (18 units)

Proficiency in Arabic equal to ARAB 1112 or equivalent. Entering students with previous training in Arabic or those who are native speakers should contact the Department of World Languages and Literatures or the Arabic program coordinator for information about placement and credit by examination. Students with no prior exposure to Arabic need to take ARAB 1111, ARAB 1112, and ARAB 1102 or ARAB 1151 and ARAB 1152 which will not count toward the 18-unit requirement for the minor.

Lower-division requirements (9)

Eight units chosen from:	8
ARAB 2111 Arabic Communication	
ARAB 2112 Arabic Literature and societies	
ARAB 2113 Arabic Media	
ARAB 2114 Arabic for Professional Communication	
One unit chosen from:	1
ARAB 3150 Arabic Conversation Activity	
ARAB 3160 Writing Explorations	

Upper-division requirements (9)

Nine units chosen from	9
(Only 3 units may be chosen from courses taught in English)	
ARAB 3111 Arab Culture, Media and Identity	
ARAB 3112 Explorations of Arabic Literary Texts	
ARAB 3113 Spoken Arabic	
ARAB 3114 Introduction to Arabic Linguistics	
ARAB 3115 Introduction to Arabic Translation	
ARAB 3116 Explorations in Arabic Media	
ARAB 3117 Advanced Arabic for Professional Communication	
Courses taught in English:	
ARAB 2900 Arabic Literature in Translation	
ARAB 3900 Female Voices in Arab American Literature	
ARAB 4900 Voices and Visions from the Arab World	
ARAB 5900 Global Perspectives and Study Abroad	

Total Units	18
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Minor in Art History

Requirements for a minor in Art History (18 units)

Lower-division requirements (9)		9
AH 1103	Art History Methodologies 1	
AH 1104	Art History Methodologies 2	
AH 1221	Art History Foundations 1	
Upper-division requirements (9)		9
AH 3210	Visualizing Gender, Performing Identity	
AH 3250	Topics and Themes of Art History and Exhibitions	
AH 5270	Art History Capstone Research Methodology	
Total Units		18

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Minor in Asian Studies

Asian Studies Minor is a cohesive and interdisciplinary program that draws on a range of courses focusing on Asian regions and cultures.

Admission to the Program

1. Students must meet general university admission requirements.
2. Students in all majors are eligible to participate in this program.

Requirements for a minor in Asian Studies (18 units)

Core Requirements (6)

Six units of upper division courses chosen from the following with at least three units being a seminar course. 6

Seminar Courses:

ANTH 3703R	Asian Cultures
CAL 3888	Asian Humanities in a Globalized World
FIN 3555	Business and Asian Culture
HIST 4400	History of Modern East Asia
PHIL 3450	Asian Philosophy

Experiential Courses

CAL 5753	Internship in Humanities
CAL 5783	International Experience: Asian Studies
CAL 5953	Independent Study in the Humanities

Electives (12)

Twelve units from the following courses (may not receive credit as an elective if taken as a core course) with at least 3 units from each of the categories listed below: 12

Group A: Arts and Humanities

AH 3310	Asian Contemporary Art
CAL 3888	Asian Humanities in a Globalized World
CHIN 1112	College Chinese II
CHIN 2900	Chinese Literature in Translation
ENG 3250	Asian American Literature
JAPN 1112	Beginning Japanese II
JAPN 2900	Japanese Literature in English
JAPN 3900	Voices & Visions from the World of Japanese Anime and Manga
KOR 1112	Beginning Korean 2
KOR 2900	Korean Literature in English
PHIL 3450	Asian Philosophy

Group B: Business and Social Behavioral Sciences

ANTH 3703R	Asian Cultures
FIN 3555	Business and Asian Culture
HIST 4260	Ancient and Early Imperial China
HIST 4280	Medieval China
HIST 4290	Modern China I, 1644-1911
HIST 4310	Modern China II, 1911-Present
HIST 4330	Modern Chinese History in Fiction and Film
HIST 4400	History of Modern East Asia
HIST 4560	Mughal India and the Early Modern World
HIST 4570	Modern India at the Crossroads of Empire

HIST 4580	Gandhi: Life and Legacy
HIST 4590	Media Cultures of the Indian Subcontinent
PSCI 3050	East Asian Politics
Total Units	18

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Minor in Astronomy

The minor in astronomy is designed for any interested student with a background in calculus. Combined with a physics, geology, chemistry, or biology degree, it can give students the background needed to pursue a career or graduate degree in an astronomy related field including astrophysics, planetary science, cosmology, and more.

Requirements for a minor in Astronomy (31 units)

Lower-division requirements (22)

MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
PHYS 2500	General Physics I	4
PHYS 2500L	General Physics I Lab	1
PHYS 2510	General Physics II	4
PHYS 2510L	General Physics II Lab	1
ASTR 2300	Introduction to Astronomy for Scientists	4

Upper-division requirements (9)

Choose one Astrophysics course:		3
ASTR 3300	Astrophysics of Planetary Systems	
ASTR 3310	Astrophysics of Galaxies and Cosmology	
Six units of electives approved by the department:		6
ASTR 3300 or ASTR 3310, whichever has not satisfied the above requirement		
ASTR 4000	Observational Astronomy	
CHEM 4500	Physical Chemistry II	
CHEM 5200	Instrumental Analysis	
CHEM 5320	Atmospheric Chemistry	
GEOL 3220	Introduction to Geochemistry	
GEOL 5420	Geochemical Thermodynamics	
Total Units		31

Minor in Biology

Requirements for a minor in Biology (35-36 units)

BIOL 2010	Principles of Biology I	5
BIOL 2020	Principles of Biology II	5
CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1
One course in organic chemistry, chosen from:		3-4
CHEM 2300	Organic Chemistry for Life Sciences	
CHEM 2400	Organic Chemistry I Lecture	
A minimum of twelve upper-division units (3-4 courses) in biology, excluding courses numbered BIOL 3000-3099.		12
Total Units		35-36

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Minor in Border Studies

Border Studies is a trans-disciplinary study of the material and symbolic processes of border making, erasing, and transcending. Our approach is the policy-practice-perception study of borders as culturally, historically, and spatially produced material and symbolic landscapes. Studying borders teaches us that societies are complex, contested, and power-laden hybrid spaces and processes that deepen our understanding of how people relate to each other across borders and barriers: political, social and cultural. Special focus will be given to the Mexican and American border area and its impact across our continent and our academic fields study.

Requirements for a minor in Border Studies (18 units)

Complete at least 18 units from three different programs. A minimum of 6 units must be upper-division. Select courses from the following list: (18)

ANTH 1002	Understanding Cultural Diversity
ANTH 3603	Gendered Worlds: Power, Difference, and & In/equality
ANTH 3606	Indigenous Politics
ANTH 3701R	Cultures of Mexico and Central America
ART 2329	Chicanx Art
ART 2400	Introduction to Chicanx Art
ART 3210	Visualizing Gender, Performing Identity
ART 3760	Border Art
AH 3250	Topics and Themes of Art History and Exhibitions
AH 4250	Art History Seminar
CAL 3350	Latinx Border Identity: A Transmedia Perspective
COMM 3319	Topics in Media Studies
COMM 3339	Topics in Film Studies
COMM 4302	Latinx, Media, and Cultures
ENG 3000	Studies in Global Literatures
ENG 3140	Native American and Indigenous Literatures
ENG 3230	Chicana/o Literature
ENG 3260	Caribbean Literature
ENG 3500	Literary Movements: Aesthetics and Craft
ENG 5020	English Study Abroad
ES 1000	Ethnicity and Race in America
ES 1020	Chicano(a)/Latino(a) Culture: An Overview
GEOG 3060	Political Geography
GEOG 322	United States and Mexico Border Issues
GEOG 4060	Emerging World Regions
GEOG 4070	Advanced World Regions
GEOG 4450	Globalization and Identity
GEOG 5150	Global Governance and the United Nations System
HIST 3420	American Indian History
HIST 3710	California Indian History
HIST 5680	History of the U.S. - Mexico Borderlands
PA 5900	Special Topics in Public Administration
SOC 4420	The Latino Experience in the U.S.
SOC 4510	Sociology of Migration

SOC 5250	Indian Nations and Native America
SOC 5510	Borders, Knowledges, and Identities
SOC 5450	Indigenous Peoples
HSCI 4210	Cultural Competency
HSCI 4212	Topics about Special Populations
SPAN 2900	Spanish Literature and Film in English
SPAN 3900	Voices & Visions from the Hispanic World
Total Units	18

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Minor in Business Administration

In addition to the grade point average requirements stated in Program Requirements for a Bachelor's Degree (<http://bulletin.csusb.edu/undergraduate-degree-programs/undergraduate-degree-program-requirements/>), an administration major or minor student must earn a grade of ("C") 2.0 or better in all units used to fulfill the requirements of the concentration or minor.

Requirements for a minor in Business Administration (21 units)

ADMN 1500	Introduction to Administration	1.5
19.5 units chosen from the following courses, 6 units must be upper-division:		
ADMN 2100	Applied Business Statistics	
ACCT 2110	Introductory Accounting I	
ACCT 2120	Introductory Accounting II	
ENTR 3000	Entrepreneurship and Innovation	
FIN 3001	Finance I	
FIN 3002	Finance II	
IST 1110	Introduction to Information Technology	
IST 3110	Management of Information Technology	
MGMT 2300	Legal Environment of Organizations	
MGMT 3020	Organizational Behavior	
MGMT 3500	Applied Communication	
MGMT 3900	Principles of Strategy	
MKTG 3050	Marketing Principles	
MKTG 3160	Introduction to Research Methods	
PA 3050	Organizations in Multicultural and Diverse Societies	
PA 3150	Society, Business, & Global Governance	
SCM 3040	Principles of Supply Chain Management	
Nine units of the minor must be completed at CSUSB.		
Total Units		21

Minor in Business Analytics

Requirements for a minor in Business Analytics (22.5 units)

Lower Division (10.5)

IST 1110	Introduction to Information Technology	1.5
IST 2510	Big Data Analytics	3
ADMN 2100	Applied Business Statistics	3
IST 2410	Database Management for Business	3

Upper Division (12)

IST 3110	Management of Information Technology	3
IST 4510	Advanced Data Analytics	3
IST 4520	Data Mining	3
IST 3500	Problem Solving and Decision Making	3

Total Units		22.5
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Minor in Career and Technical Education

This minor is for those candidates seeking employment with a Regional Occupational Program (ROP), Public or Charter School or Correctional Institution. It also beneficial for persons interested in teaching in a community college, private secondary or post-secondary environment.

Candidates seeking the Designated Subjects Teaching credential will also need to complete: ECTS 5180, HSCI 5240, Adult/child/infant CPR, U.S. Constitution, and teaching experience requirements .

Requirements for a minor in Career and Technical Studies (18 units)

ECTS 5010	Principles and Methods for Teaching Designated Subjects	3
ECTS 5020	Instructional Support for Teaching Designated Subjects	3
ECTS 5040	Principles of Career and Technical Education	3
ECTS 5190	Instructional Technology for Career and Technical Educators	3
ECTS 5200	Curriculum Development for Career and Technical Programs	3
ECTS 5210	Assessing Student Progress	3
Total Units		18

DRAFT 9/2019

Minor in Chemistry

A minor in chemistry requires foundational coursework in calculus and physics, general chemistry, organic chemistry, quantitative analysis, and six units of upper-division chemistry electives. It may be appropriate for students interested in careers that involve some knowledge of chemistry and chemical laboratory work, but not a full degree in chemistry.

Requirements for a Minor in Chemistry (38-46 units)

CHEM 2100	General Chemistry I	4
CHEM 2100L	General Chemistry I Laboratory	1
CHEM 2200	General Chemistry II	4
CHEM 2200L	General Chemistry II Laboratory	1
The organic chemistry requirement may be met by either:		5-8
CHEM 2300	Organic Chemistry for Life Sciences	
CHEM 2400L	Organic Chemistry I Laboratory	
or the following four courses:		
CHEM 2400	Organic Chemistry I Lecture	
CHEM 2400L	Organic Chemistry I Laboratory	
CHEM 2500	Organic Chemistry II	
CHEM 2500L	Organic Chemistry II Laboratory	
CHEM 3200	Quantitative Analysis	4
Choose either of the following:		3-8
MATH 1601	Modeling with Calculus	
MATH 2210	Calculus I	
& MATH 2220	and Calculus II	
PHYS 2000	Introduction to Physics I	4
PHYS 2000L	Introduction to Physics I Lab	1
PHYS 2010	Introduction to Physics II	4
PHYS 2010L	Introduction to Physics II Lab	1
Note: Physics requirement may be met by taking PHYS 2500, 2500L, 2510, and 2510L (10 units) instead of PHYS 2000, 2000L, 2010 and 2010L.		
Choose 6 units of upper-division chemistry electives from the following list:		6
CHEM 4100	Biochemistry I	
CHEM 4200	Biochemistry II	
CHEM 4300	Inorganic Chemistry	
or CHEM 4350	or Inorganic Chemistry	
CHEM 4400	Physical Chemistry I	
CHEM 4500	Physical Chemistry II	
CHEM 4600	Physical Chemistry for Biochemists I	
CHEM 4700	Physical Chemistry for Biochemists II	
CHEM 5001	Topics in Chemistry	
CHEM 5001L	Topics in Chemistry Laboratory	
CHEM 5002	Topics in Chemistry	
CHEM 5100	Polymer Science	
CHEM 5150	Materials Chemistry	
CHEM 5200	Instrumental Analysis	
CHEM 5300	Environmental Chemistry	
CHEM 5400	Chemistry of the Elements	

CHEM 5420	Pyrotechnics	
CHEM 5500	Medicinal Chemistry	
CHEM 5550	Computational Chemistry	
CHEM 5751	Internship in Chemistry	
CHEM 5752	Internship in Chemistry	
CHEM 5753	Internship in Chemistry	
CHEM 5901	Directed Laboratory Research	
CHEM 5902	Directed Laboratory Research	
CHEM 5903	Directed Laboratory Research	
CHEM 5951	Independent Study	
CHEM 5952	Independent Study	
CHEM 5953	Independent Study	
Total Units		38-46

Minor in Communication

The Minor in Communication provides students with a broad understanding of the field through core courses in relational and organizational communication, theories of media, and ethical aspects of communication. Students then choose an additional 6 units in any area of communication and media studies that interest them: relational and organizational communication; media studies; film studies; digital media production; multimedia journalism; or strategic communication.

Requirements for a minor in Communication (18 units)

Lower-division requirement (3)

COMM 2101	Introduction to Communication Studies	3
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Upper-division requirements (9)

COMM 3101	Communication, Self, and Others	3
COMM 3102	Media, Culture, and Society	3
COMM 4102	Ethical Aspects of Communication	3

Electives (6)

Six additional units in Communication Studies. COMM 1000, COMM 1002, COMM 1006, and COMM 1007 may not be applied toward the minor.	6
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Total Units	18
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DRAFT 9/2019

Minor in Computer Science

Courses taken in fulfillment of the minor in Computer Science cannot be applied toward the Certificate in Computer Systems and Programming.

Requirements for a minor in Computer Science (20 units)

MATH 2720	Discrete Mathematics	3
	or MATH 3372 Combinatorics	
CSE 2010	Computer Science I	4
CSE 2020	Computer Science II	4
Nine units of upper-division CSE courses.		9
Total Units		20

DRAFT 9/2019

Minor in Criminal Justice

Requirements for a minor in Criminal Justice (21 units)

CJUS 1101	Introduction to the Criminal Justice System	3
CJUS 1102	Criminal Law	3
CJUS 3320	Theories of Crime and Delinquency	3
CJUS 3330	Correctional Theory and Institutions	3
CJUS 3340	Police and Police Systems	3
CJUS 3370	Law and the Courts	3
Three units chosen from upper-division electives in Criminal Justice.		3
<hr/> Total Units		<hr/> 21

DRAFT 9/2019

Minor in Dance

Requirements for a minor in Dance (18 units)

Lower-division requirement (3)

TA 2660	Introduction to Theatre	3
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Upper-division requirement (3)

Three units chosen from:		3
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TA 3122	Performance Practicum
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TA 3123	Performance Practicum
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TA 3131	Technical Practicum
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TA 3132	Technical Practicum
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TA 4420	Touring Practicum
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Electives (12)

Select courses from the list below, in consultation with a Department Advisor, to meet the goals for which the Minor is chosen. A minimum of 12 units must be taken in upper division Dance-related courses in the TA program. 12

TA 2711	Studies in Dance: Jazz
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TA 2712	Studies in Dance: Modern
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TA 2713	Studies in Dance: Tap
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TA 2714	Studies in Dance: Ballet
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TA 3711	Dance Techniques: Jazz
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TA 3712	Dance Techniques: Modern
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TA 3713	Dance Techniques: Tap
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TA 3714	Dance Techniques: Ballet
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TA 3715	Dance Techniques: Musical Theatre
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TA 3720	World Dance Traditions
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TA 3730	Dance Notation
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TA 3731	Dance History
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TA 4440	Creative Movement in the Classroom
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TA 4451	Arts in Action: Dance
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TA 4643	Directing and Devising Performance
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TA 5440	Advanced Creative Dance Methods
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Other TA courses may be included with advisor approval.

Total Units		18
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Minor in Digital Arts

This minor helps prepare students for careers in digital illustration, fabrication, CAD-based design, animation and character development. Analog and digital courses complement each other as students work increasingly towards self-directed art projects.

Requirements for a minor in Digital Arts (24 units)

Lower Division Requirements

Foundation and Beginning Courses

Choose three courses from: 9

ART 1120	2D Foundation: Line, Color and Composition
ART 1140	Creative Technology for Artists
ART 1160	Introduction to Drawing and Life Drawing
ART 2240	Beginning Imaging and Illustration

Upper Division Requirements

Choose 5 courses from the list below: 15

ART 3160	Intermediate Drawing and Life Drawing
ART 3240	Intermediate Imaging and Illustration
ART 3780	Special Topics in Art
*ART 3780 when topics are Video Art, Digital Fabrication or Experimental Animation	
ART 4160	Advanced Drawing and Life Drawing
ART 4240	Advanced Imaging and Illustration

Total Units 24

DRAFT 9/2019

Minor in Digital Filmmaking

The Minor in Digital Filmmaking provides students with the theory and practice of television studio production, digital video editing, screenwriting, and single-camera digital filmmaking. Students in the minor will gain a deep understanding of how to write, produce, direct, and edit the moving image. While the focus is digital filmmaking, these skills easily translate into other sound/image practices such as television and online technologies. Digital Filmmaking students typically pursue careers in film, television, multimedia journalism, and public relations.

Requirements for a minor in Digital Filmmaking (20 units)

Required courses (17)

COMM 2351	Television Studio Production	4
COMM 3351	Introduction to Digital Video Editing	3
COMM 3353	Digital Video Field Production	4
COMM 4355	Digital Filmmaking I	3
COMM 4356	Digital Filmmaking II	3

Elective course (3)

COMM 3335	Visual Communication or COMM 33 Fundamentals of Screenwriting	3
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Total Units		20
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DRAFT 9/2019

Minor in Economics

Requirements for a minor in Economics (18-22 units)

Lower-division requirements (6-10)

ECON 2000	The Economy: Problems and Perspectives	3-6
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or both of the following:

ECON 2201	Principles of Microeconomics	
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ECON 2202	Principles of Macroeconomics	
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One course chosen from:		3-4
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MATH 1301	Modeling with Functions	
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MATH 1501	Critical Thinking Through Applications of Mathematical Logic	
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MATH 1601	Modeling with Calculus	
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MATH 2210	Calculus I	
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Upper-division requirements (12)

A minimum of three units chosen from:		3
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ECON 3312	Firms and Markets	
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ECON 3314	Public Economics	
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ECON 3316	Labor Economics	
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ECON 3318	International Economics	
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ECON 3400	Money, Banking, and Financial Markets	3
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Six additional units of upper-division economics courses.		6
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Total Units		18-22
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DRAFT 9/2019

Minor in English

The English Minor allows students to select courses related to their personal interests and professional goals. With offerings in creative writing, linguistics, literature, and rhetoric and writing studies, the English Minor pairs well with any major—whether in science, social science, business, or humanities. It prepares students for any career requiring them to write effectively, think creatively, or understand human nature.

Requirements for a minor in English (18 units)

Eighteen units chosen from courses in the following areas. Students are free to select and mix courses across any of these areas. 18

Creative Writing and Literary Production

ENG 2500	Introduction to Creative Writing Studies
ENG 3500	Literary Movements: Aesthetics and Craft
ENG 4170	Poetry Writing Workshop
ENG 4180	Fiction Writing Workshop
ENG 5300	Creative Nonfiction
ENG 5130	Advanced Creative Writing in Specialized Genres
ENG 5110	Creative Writing in the Secondary Classroom (may repeat twice for credit)
ENG 5430A	Literary Production I
ENG 5430B	Literary Production II
ENG 5190	Creative Writing: Thesis and Performance

Rhetoric, Literacy, and Writing Studies

ENG 2400	Writing in the Public Sphere
ENG 3070	Theories of Public and Professional Writing
ENG 3290	Introduction to Literacy and Writing Studies
ENG 3600	Studies in Writing
ENG 3610	Studies in Literacy
ENG 3620	Studies in Rhetoric
ENG 3300	Tutoring Writing: Theory and Practice
ENG 5100	Teaching English in the Secondary Schools
ENG 5140	Community-Based Writing

Linguistics and Discourse

ENG 3110	Introduction to Linguistics
ENG 3210	Language, Thought, and Culture
ENG 3220	English Grammar
ENG 3310	Child Language and Literacy Development
ENG 3320	Second Language Acquisition
ENG 3510	History of the English Language
ENG 5230	Grammar and Discourse
ENG 5240	Sociolinguistics
ENG 5260	English Phonetics and Phonology
ENG 5270	Studies in Language and Linguistics

Literature and Culture

ENG 2100	Historical Approaches to English Literature
ENG 2300	Historical Approaches to British Literature
ENG 2250	Historical Approaches to American Literature
ENG 3010	Analysis of Poetry and Drama
ENG 3030	Analysis of Fiction and Nonfiction Prose

ENG 3750	Studies in Literary Theory
ENG 3000	Studies in Global Literatures
ENG 3200	Literature for Children and Young Adults
ENG 3140	Native American and Indigenous Literatures
ENG 3150	Studies in a Literary Genre
ENG 3190	Studies in Literary Diversity
ENG 3230	Chicana/o Literature
ENG 3240	Studies in Literary Topics
ENG 3250	Asian American Literature
ENG 3260	Caribbean Literature
ENG 3330	Myth and Epic
ENG 3350	Studies in the Novel
ENG 3360	Women Writers
ENG 3390	African American Literature
ENG 3410	Environmental Literature
ENG 3700	Turning Points in Literary History
ENG 4750	Shakespeare and Renaissance Drama
ENG 4010	English Literature of the Middle Ages
ENG 4030	English Literature of the Tudor/Stuart Era
ENG 4060	Seventeenth Century Literature
ENG 4090	English Literature of the Restoration and Eighteenth Century
ENG 4120	Romantic Literature
ENG 4150	Victorian Literature
ENG 4420	Modern Poetry
ENG 4410	Studies in a Major Authors
ENG 4430	Contemporary Poetry
ENG 4400	Studies in a Literary Period or Movement
ENG 4470	Modern Fiction
ENG 4480	Contemporary Fiction
ENG 4630	Advanced Studies in Literary Topics
ENG 5150	Senior Seminar in Literature

Total Units 18

Minor in Entrepreneurship

Requirements for a minor in Entrepreneurship (18 units)

In addition to the grade point average requirements stated in Program Requirements for a Bachelor's Degree, students must earn a grade of "C" (2.0) or better in all courses required to fulfill the Minor in Entrepreneurship.

ENTR 3000	Entrepreneurship and Innovation	1.5
ENTR 3003	Experiencing Entrepreneurship	1.5
ENTR 4420	Small Business Management	3
ENTR 5430	Ideation and Creative Problem Solving	3
ENTR 5440	Developing the New Venture	3
ENTR 5450	Resources for the Entrepreneur	3
TA 3141	The Improvisational Mind	3
ENTR 5980	Reflective Essay	0
Total Units		18

NOTE: Students concentrating in Entrepreneurship may not minor in Entrepreneurship.

DRAFT 9/2019

Minor in Environmental Studies

Requirements for a minor in Environmental Studies (20 units)

Lower-division requirements (7)

Three units chosen from: 3

BIOL 1000	Introduction to Biology
GEOG 1030	Physical Geography
GEOL 1000	Introductory Geology
HSCI 1200	Health and Society: An Ecological and Societal Approach

One unit chosen from: 1

BIOL 1000L	Introduction to Biology Lab
GEOG 1030L	Physical Geography Laboratory
GEOL 1000L	Introductory Geology Laboratory
HSCI 1200L	Health and Society: An Ecological and Societal Approach Lab

GEOG 2000 Environment and Society 3

Upper-division requirements (3)

Three units chosen from: 3

GEOG 3500	Conservation and Natural Resources
GEOG 3501	Environmental Sustainability
GEOG 3520	Environmental Inquiry and Education

Electives (10)

A minimum of 10 units chosen from the following courses in groups 1 and 2 (Students must take at least one course in each group, provided that none have been used elsewhere to meet requirements of this minor). In consultation with the environmental studies coordinator, a student can choose other courses, besides those listed below, to meet the elective requirement. 10

Group 1: NATURE-SOCIETY RELATIONS

ANTH 3607	Environmental Anthropology
COMM 3227	Topics in Relational and Organizational Communication (Topic: Environmental Communication)
ECON 3103	Environmental Economics
	or ECON 3740 Economics of Climate Change
GEOG 3500	Conservation and Natural Resources
	or GEOG 3501 Environmental Sustainability
GEOG 3520	Environmental Inquiry and Education
GEOG 3701	Environmental Policy and Impact Assessment
GEOG 4710	Water Wars
HIST 4950	Politics of Oil
	or PSCI 3421 The Politics of Environment

May choose one of the following GE courses:

BIOL 3010	Human Ecology
CHEM 3100	Chemistry and the Environment
ENG 3400	Analysis of Environmental Discourse (WI)
ENG 3410	Environmental Literature
GEOL 3020	Natural Disasters

GEOL 3040	Energy and the Environment
PHIL 3001	Philosophy in the World (Topic: Environmental Ethics)

Group 2: ENVIRONMENTAL SYSTEMS

GEOG 3300	Weather and Climate
GEOG 4250	Watershed Hydrology and Management
GEOG 4300	Biogeography
GEOG 4360	Climate Change
GEOG 4400	Geomorphology
GEOG 4651	Coastal Resources Management

Total Units 20

9/2019

Minor in Ethnic Studies - Chicana/o/x, Latina/o/x Studies

Designed to provide increased awareness, knowledge and an in-depth understanding, the minor in Ethnic Studies, Chicano(a)/ Latino(a) Studies will address issues of language, history, culture, politics, economics, education, immigration and the creative expression of the Chicano/ Latino presence in this country. Students will examine this growing ethnic group's experience in a social context and its interdependence with other populations by addressing interracial, intercultural and international understanding.

Requirements for a minor in Ethnic Studies - Chicana/o/x, Latina/o/x Studies (18 units)

Required Courses (18)

ES 1020	Chicano(a)/Latino(a) Culture: An Overview	3
ES 3000	Research Methods in Ethnic Studies	3
ES 3940	Topics in Ethnic Studies	3
Nine units chosen from:		9
ANTH 3006R	Mesoamerican Archaeology	
ART 2329	Chicanx Art	
CAL 3350	Latinx Border Identity: A Transmedia Perspective	
COMM 4302	Latinx, Media, and Cultures	
ENG 3230	Chicana/o Literature	
ES 5953	Independent Study	
GEOG 4055	US-Mexico Border Region	
HIST 3610	Chicana/o History Through Film	
HIST 3910	Chicana/o History	
HIST 3950	Topics in History (When the topic pertains to US/ Mexico Borderlands)	
HIST 5640	Chicana/Mexicana Feminisms	
PSCI 5920	Seminar in Government (When topic pertains to Latino Politics in the U.S.)	
SOC 3420	The Latino Family	
SOC 4420	The Latino Experience in the U.S.	
SOC 4530	Citizenship, Status, and Inequality	
SOC 4510	Sociology of Migration	
SOC 5510	Borders, Knowledges, and Identities	
Please note: All Sociology courses have a prerequisite course of SOC 1000 or Consent of Department Chair		
SPAN 3051	Culture, Health, and Food in Latin America	
SPAN 3900	Voices & Visions from the Hispanic World (When the topic pertains to: Latino Literature in the USA)	

Total Units

18

Minor in Ethnic Studies

To earn the minor in ethnic studies, students must complete 18 units of coursework with a specialization to be chosen in consultation with an advisor, in **only one** of the following:

- General Ethnic Studies
- African American Studies
- Asian American and Pacific Islander Studies
- Chicana/o/x, /Latina/o/x Studies
- Native American/Indigenous People Studies

Requirements for a minor in Ethnic Studies (27 units)

Core Required Courses (18)	9
ES 1000 Ethnicity and Race in America	3
ES 3000 Research Methods in Ethnic Studies	3
ES 3940 Topics in Ethnic Studies	3
Specialization Electives (9)	
In consultation with an Ethnic Studies advisor, 9 units are to be selected from only one of the five specialized concentrations below.	9
Total Units	27

Note: Students may consider relevant course substitution with the approval of the ethnic studies coordinator.

Specializations

General Ethnic Studies (9)

Select 9 units from the following list: (Please note that no more than one elective course from the same department may count toward elective units)

College of Arts and Letters	
ARAB 3900	Female Voices in Arab American Literature
ART 2329	Chicanx Art
COMM 2201	Intercultural Communication
COMM 4301	Gender, Race, and Class in Media
COMM 4303	Global Communication
COMM 5280	Culture and Ethnicity in Language
COMM 5303	Muslim Women in Media and Society
ENG 3140	Native American and Indigenous Literatures
ENG 3190	Studies in Literary Diversity
ENG 3230	Chicana/o Literature
ENG 3250	Asian American Literature
ENG 3390	African American Literature
CAL 3350	Latinx Border Identity: A Transmedia Perspective
CAL 3550	LGBTQ+ Issues in the Humanities
CAL 3700	African Arts Heritage
MUS 3309	Jazz History in America and African-American Culture
MUS 3500	Global Music
MUS 3520	African American Music
PHIL 3001	Philosophy in the World ((when the topic pertains to Philosophy of Race))

PHIL 3450	Asian Philosophy
SPAN 3051	Culture, Health, and Food in Latin America
SPAN 3900	Voices & Visions from the Hispanic World ((When the topic pertains to Latino Literature USA))
TA 4663	Dramatic Literature of Identity
College of Social and Behavioral Sciences	
ANTH 3005R	North American Prehistory
ANTH 3006R	Mesoamerican Archaeology
ANTH 3007R	Andean Archaeology
ANTH 3023	Native North American Art
ANTH 3500	The Race Concept in Biological Anthropology
ANTH 3601	Case Studies in Linguistic Anthropology
ANTH 3602	Anthropology of Childhood
ANTH 3603	Gendered Worlds: Power, Difference, and In/ equality
ANTH 3605	Anthropology of Health
ANTH 3611	Religion and Culture
ANTH 3703R	Asian Cultures
ANTH 4601L	Community Engaged Research Methods (Prerequisite ANTH 1002 or consent of Department Chair)
ES 5953	Independent Study
GEOG 3065	Migration and Borderlands
GEOG 4055	US-Mexico Border Region
GSS 4250	Women as Agents of Social Change
GSS 4500	Queer Theory
HIST 3400	African-American History, 1620-1865
HIST 3410	African-American History, 1865-Present
HIST 3420	American Indian History
HIST 3460	Women in the Black Freedom Movement
HIST 3610	Chicana/o History Through Film
HIST 3620	LGBT History
HIST 3710	California Indian History
HIST 3910	Chicana/o History
HIST 3950	Topics in History ((When the topic pertains to: 1. Black Freedom Movement outside the South, 2. Asian American History, 3. Civil Rights History Through Film))
HIST 4650	Modern Central America
HIST 4700	Modern Latin America
HIST 5640	Chicana/Mexicana Feminisms
HIST 5650	Immigration and Ethnic American History
PSCI 3060	Latin American Politics
PSCI 5400	Seminar in Comparative Politics (When the topic pertains to Politics of Latin America)
PSCI 5920	Seminar in Government (When the topic pertains to: 1. Media & Politics, 2. Gender & Politics, 3. Latino Politics in the U.S.)
PSYC 3340	Stereotyping, Prejudice and Discrimination
PSYC 3345	Cross-Cultural Psychology
SOC 3020	Introduction to Community-Based Research
SOC 3360	Black Women and Feminism
SOC 3410	The African American Family
SOC 3420	The Latino Family

SOC 4100	Sociology of Race and Ethnicity
SOC 4410	Black Americans in Contemporary Society
SOC 4420	The Latino Experience in the U.S.
SOC 4510	Sociology of Migration
SOC 4530	Citizenship, Status, and Inequality
SOC 5250	Indian Nations and Native America
SOC 5450	Indigenous Peoples
SOC 5510	Borders, Knowledges, and Identities
SOC 5600	Social Determinants of Health

Please note: All Sociology courses have a prerequisite course of SOC 1000 or Consent of Department Chair

SSCI 3160 Race and Racism

Total Units 9

African American Studies (9)

Nine units chosen from: 9

CAL 3700	African Arts Heritage
ES 5953	Independent Study
ENG 3390	African American Literature
HIST 3400	African-American History, 1620-1865
HIST 3410	African-American History, 1865-Present
HIST 3460	Women in the Black Freedom Movement
HIST 3950	Topics in History ((when the topic pertains to Black Freedom Movement))
MUS 3309	Jazz History in America and African-American Culture
MUS 3520	African American Music
SOC 3360	Black Women and Feminism
SOC 3410	The African American Family
SOC 4410	Black Americans in Contemporary Society

Please note: All Sociology courses have a prerequisite course of SOC 1000 or Consent of Department Chair

Total Units 9

Asian American and Pacific Islander Studies (9)

Nine units chosen from: 9

ANTH 3703R	Asian Cultures
ENG 3250	Asian American Literature
ES 5953	Independent Study
HIST 3950	Topics in History ((when the topic pertains to: Asian American History))
PHIL 3450	Asian Philosophy

Please note: All Sociology courses have a prerequisite course of SOC 1000 or Consent of Department Chair

Total Units 9

Chicana/o/x, Latina/o/x Studies (9)

Nine units chosen from: 9

ART 2329	Chicanx Art
CAL 3350	Latinx Border Identity: A Transmedia Perspective
COMM 4302	Latinx, Media, and Cultures
ENG 3230	Chicana/o Literature
ES 5953	Independent Study
GEOG 4055	US-Mexico Border Region

HIST 3610	Chicana/o History Through Film
HIST 3910	Chicana/o History
HIST 3950	Topics in History (when the topic pertains to US/ Mexico Borderlands)
HIST 5640	Chicana/Mexicana Feminisms
PSCI 5400	Seminar in Comparative Politics (When the topic pertains to Politics of Latin America)
PSCI 5920	Seminar in Government (When the topic pertains to: Latino Politics in the U.S.)
SOC 3420	The Latino Family
SOC 4420	The Latino Experience in the U.S.
SOC 4530	Citizenship, Status, and Inequality
SOC 4510	Sociology of Migration
SOC 5510	Borders, Knowledges, and Identities

Please note: All Sociology courses have a prerequisite course of SOC 1000 or Consent of Department Chair

SPAN 3051	Culture, Health, and Food in Latin America
SPAN 3900	Voices & Visions from the Hispanic World ((when the topic pertains to Latino Literature USA))

Total Units 9

Native American/Indigenous People Studies (9)

Nine units chosen from: 9

ANTH 3005R	North American Prehistory
ANTH 3006R	Mesoamerican Archaeology
ANTH 3007R	Andean Archaeology
ANTH 3706R	Indians of North America
ANTH 3707R	Indians of the Southwest
ANTH 3023	Native North American Art
ENG 3140	Native American and Indigenous Literatures
ES 5953	Independent Study
HIST 3420	American Indian History
HIST 3710	California Indian History
SOC 5250	Indian Nations and Native America
SOC 5450	Indigenous Peoples

Please note: All Sociology courses have a prerequisite course of SOC 1000 or Consent of Department Chair

Total Units 9

Minor in Film Studies

Requirements for a minor in Film Studies (21-25 units)

Lower-division requirements (3-4) 3-4

Three or four units chosen from:

ART 2260 Beginning Photography

COMM 1020 Looking at Movies

COMM 2351 Television Studio Production

TA 1160 World Drama

Upper-division requirements (18-21)

Six units chosen from: 6

COMM 3331 The Development of Motion Pictures

COMM 3335 Visual Communication

ENG 3150 Studies in a Literary Genre ((when the topic is Film and Literature))

Three units chosen from: 3

COMM 3332 Movies in the Digital Age

COMM 3333 Film Analysis

COMM 3339 Topics in Film Studies

(when the topic is Contemporary Cinema and Society)

Nine to twelve units chosen from the following two categories: 9-12

Film and Digital Media Theory and Criticism:

COMM 3102 Media, Culture, and Society

COMM 3301 Media Institutions in Context

COMM 3334 Global Cinema

COMM 3336 Queer Cinema

ENG 3010 Analysis of Poetry and Drama

FREN 3112 From Cannes to Cameroon: Francophone Cinema and Culture

SPAN 4411 Special Topics in Spanish Language Cinema and/or Theatre

TA 3602 Dramatic Analysis and Playwriting for Teachers

Digital Media Production:

ART 3710 Video Art

COMM 3351 Introduction to Digital Video Editing

COMM 3353 Digital Video Field Production

COMM 3354 Fundamentals of Screenwriting

COMM 3371 Multimedia Journalism

DES 3600 Digital Motion Graphics

TA 4242 Acting for the Camera

Total Units 21-25

Minor in Film Studies

Requirements for a minor in Film Studies (21-25 units)

Lower-division requirements (3-4) 3-4

Three or four units chosen from:

ART 2260 Beginning Photography

COMM 1020 Looking at Movies

COMM 2351 Television Studio Production

TA 1160 World Drama

Upper-division requirements (18-21)

Six units chosen from: 6

COMM 3331 The Development of Motion Pictures

COMM 3335 Visual Communication

ENG 3150 Studies in a Literary Genre ((when the topic is Film and Literature))

Three units chosen from: 3

COMM 3332 Movies in the Digital Age

COMM 3333 Film Analysis

COMM 3339 Topics in Film Studies

(when the topic is Contemporary Cinema and Society)

Nine to twelve units chosen from the following two categories: 9-12

Film and Digital Media Theory and Criticism:

COMM 3102 Media, Culture, and Society

COMM 3301 Media Institutions in Context

COMM 3334 Global Cinema

COMM 3336 Queer Cinema

ENG 3010 Analysis of Poetry and Drama

FREN 3112 From Cannes to Cameroon: Francophone Cinema and Culture

SPAN 4411 Special Topics in Spanish Language Cinema and/or Theatre

TA 3602 Dramatic Analysis and Playwriting for Teachers

Digital Media Production:

ART 3710 Video Art

COMM 3351 Introduction to Digital Video Editing

COMM 3353 Digital Video Field Production

COMM 3354 Fundamentals of Screenwriting

COMM 3371 Multimedia Journalism

DES 3600 Digital Motion Graphics

TA 4242 Acting for the Camera

Total Units 21-25

Minor in Film Studies

Requirements for a minor in Film Studies (21-25 units)

Lower-division requirements (3-4) 3-4

Three or four units chosen from:

ART 2260 Beginning Photography

COMM 1020 Looking at Movies

COMM 2351 Television Studio Production

TA 1160 World Drama

Upper-division requirements (18-21)

Six units chosen from: 6

COMM 3331 The Development of Motion Pictures

COMM 3335 Visual Communication

ENG 3150 Studies in a Literary Genre ((when the topic is Film and Literature))

Three units chosen from: 3

COMM 3332 Movies in the Digital Age

COMM 3333 Film Analysis

COMM 3339 Topics in Film Studies

(when the topic is Contemporary Cinema and Society)

Nine to twelve units chosen from the following two categories: 9-12

Film and Digital Media Theory and Criticism:

COMM 3102 Media, Culture, and Society

COMM 3301 Media Institutions in Context

COMM 3334 Global Cinema

COMM 3336 Queer Cinema

ENG 3010 Analysis of Poetry and Drama

FREN 3112 From Cannes to Cameroon: Francophone Cinema and Culture

SPAN 4411 Special Topics in Spanish Language Cinema and/or Theatre

TA 3602 Dramatic Analysis and Playwriting for Teachers

Digital Media Production:

ART 3710 Video Art

COMM 3351 Introduction to Digital Video Editing

COMM 3353 Digital Video Field Production

COMM 3354 Fundamentals of Screenwriting

COMM 3371 Multimedia Journalism

DES 3600 Digital Motion Graphics

TA 4242 Acting for the Camera

Total Units 21-25

Minor in Film Studies

Requirements for a minor in Film Studies (21-25 units)

Lower-division requirements (3-4) 3-4

Three or four units chosen from:

ART 2260 Beginning Photography

COMM 1020 Looking at Movies

COMM 2351 Television Studio Production

TA 1160 World Drama

Upper-division requirements (18-21)

Six units chosen from: 6

COMM 3331 The Development of Motion Pictures

COMM 3335 Visual Communication

ENG 3150 Studies in a Literary Genre ((when the topic is Film and Literature))

Three units chosen from: 3

COMM 3332 Movies in the Digital Age

COMM 3333 Film Analysis

COMM 3339 Topics in Film Studies

(when the topic is Contemporary Cinema and Society)

Nine to twelve units chosen from the following two categories: 9-12

Film and Digital Media Theory and Criticism:

COMM 3102 Media, Culture, and Society

COMM 3301 Media Institutions in Context

COMM 3334 Global Cinema

COMM 3336 Queer Cinema

ENG 3010 Analysis of Poetry and Drama

FREN 3112 From Cannes to Cameroon: Francophone Cinema and Culture

SPAN 4411 Special Topics in Spanish Language Cinema and/or Theatre

TA 3602 Dramatic Analysis and Playwriting for Teachers

Digital Media Production:

ART 3710 Video Art

COMM 3351 Introduction to Digital Video Editing

COMM 3353 Digital Video Field Production

COMM 3354 Fundamentals of Screenwriting

COMM 3371 Multimedia Journalism

DES 3600 Digital Motion Graphics

TA 4242 Acting for the Camera

Total Units 21-25

Minor in Finance

Requirements for a minor in Finance (21.5 units)

Lower-division requirements (11)

FIN 1001	Financial Choices in Life	2
ACCT 2110	Introductory Accounting I	3
ACCT 2120	Introductory Accounting II	3
Three units chose from the following courses: * Satisfies GE category B4		3
MATH 1301	Modeling with Functions	
MATH 1401	Accelerated Preparation for Calculus	
MATH 1601	Modeling with Calculus	
MATH 2210	Calculus I	

Upper-division requirements (10.5)

FIN 3001	Finance I	3
FIN 3002	Finance II	1.5
Six units chosen from the following courses:		6
FIN 3555	Business and Asian Culture	
FIN 4300	Financial Theory and Practice	
FIN 4320	Financial Institutions and Capital Market	
FIN 4330	International Finance	
FIN 4350	Investment Analysis	
FIN 4450	Financial Data Analytics	
FIN 4590	Financial Case Studies	
FIN 5270	Financial Derivatives	
FIN 5460	Student Managed Investment Fund	
Total Units		21.5

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Minor in French

Students must earn a grade of "C" (2.0) or better in all lower-division and upper-division seminar courses required to fulfill a minor in French.

Requirements for a minor in French (19 units)

Lower-Division (8)

Eight units chosen from the following courses	8
FREN 2111 Introduction to the Francophone World	
FREN 2112 Introduction to French Media	
FREN 2113 Introduction to Reading & Interpretation	
FREN 2114 Introduction to French Culture	

Upper division (7)

FREN 3000 Enhancing Your French	1
Six units chosen from the following courses	6
FREN 3111 Approaches to French Literature	
FREN 3112 From Cannes to Cameroon: Francophone Cinema and Culture	
FREN 3113 Geographies of Identity: Francophone Cultures in Context	
FREN 3114 Paris: Cultural and Historical Capital	

Elective (3)

Any course from the lower or upper divisional core	3
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Activity (1)

FREN 3150 French Conversation Lab	1
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Total Units	19
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Minor in Gender and Sexuality Studies

Gender and Sexuality Studies allows students to examine how gender and sexuality as social constructs shape individual lives, groups, institutions, and social structures. Students will have the opportunity to examine individual development, couples, families, small groups, and organizations as well as the media, arts, and economic and political systems. The program courses explore how gender and sexuality intersect with race, culture, ethnicity, and social class in the interest of social justice. Toward these ends, students customize programs specifically to their interests and professional goals, selecting from a wide variety of courses across the university

Requirements for a minor in Gender and Sexuality Studies (18 units)

GSS Program Core (6)

Six units chosen from: 6

GSS 1000	Introduction to Women's Studies
GSS 1010	Introduction to Masculinity Studies
GSS 1020	Introduction to Transgender Studies
GSS 1030	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies

GSS Program Electives (6)

Six units chosen from: 6

GSS 4200	Feminist Theory
GSS 4250	Women as Agents of Social Change
GSS 4500	Queer Theory

Interdisciplinary Electives (6)

Six units chosen from: 6

ANTH 3603	Gendered Worlds: Power, Difference, and In/equality
ARAB 3900	Female Voices in Arab American Literature
ART 3210	Visualizing Gender, Performing Identity
CAL 3250	Perspectives on Gender
CJUS 4451	Women and Crime
CJUS 4462	Domestic Violence
COMM 3336	Queer Cinema
COMM 4211	Communication and Gender
COMM 4301	Gender, Race, and Class in Media
COMM 5301	Media, Sex, and Violence
COMM 5303	Muslim Women in Media and Society
ECON 3109	Political Economy of Women
ENG 3360	Women Writers
GSS 1000	Introduction to Women's Studies (If not taken to fulfill the GSS Core)
GSS 1010	Introduction to Masculinity Studies (If not taken to fulfill the GSS core)
GSS 1020	Introduction to Transgender Studies (If not taken to fulfill the GSS core)
GSS 1030	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies (If not taken to fulfill the GSS core)

GSS 3901	Special Topics in Gender and Sexuality Studies
GSS 4200	Feminist Theory (If not taken to fulfill the GSS Upper Division Electives)
GSS 4250	Women as Agents of Social Change (If not taken to fulfill the GSS Upper Division Electives)
GSS 4500	Queer Theory (If not taken to fulfill the GSS Upper Division Electives)
GSS 5751	Internship in Gender and Sexuality Programs and Services
GSS 5752	Internship in Gender and Sexuality Programs and Services
GSS 5753	Internship in Gender and Sexuality Programs and Services
GSS 5951	Independent Study
GSS 5952	Independent Study
GSS 5953	Independent Study
HIST 3450	Women in U.S. History, 1607-Present
HIST 3460	Women in the Black Freedom Movement
HIST 3620	LGBT History
HIST 4490	Gender and Development in Africa
HIST 5610	Gender, Sex, and Conquest in the American West
HSCI 3010	Health and Human Sexuality
HSCI 4050	Health Issues of Men
HSCI 4212	Topics about Special Populations
MUS 3080	Women in Music
MUS 1969	LGBTQ+ Influences in Music
NSCI 3250	Perspectives on Gender
PSCI 3400	Sex and Politics
PSYC 3301	Psychology of Human Sexuality
PSYC 3331	Psychology of Women and Gender
PSYC 3341	Women and Violence
PSYC 3349	Gay and Lesbian Issues: Psychological Perspectives
SOC 3360	Black Women and Feminism
SOC 3440	LGBTQ Families
SOC 4440	Sociology of Sex and Gender
SSCI 3250	Perspectives on Gender
TA 4663	Dramatic Literature of Identity (When the topic is LGBTQ Theatre)

Total Units 18

Minor in Geographic Information Science

Geographic information science (GISci) has been developing rapidly and increasingly become a vital part in academic research, government policy-making, and industrial applications. The minor in GISci is designed to provide students with the fundamental concepts, theories and cutting-edge technology in GIS and related disciplines. This minor is recommended for students to pursue a graduate degree in GIS and related disciplines.

Requirements for a Minor in Geographic Information Science (32-33 units)

GEOG 2249	Map Interpretation	3
GEOG 2250	Introduction to Geographic Information Systems and Cartography	4
GEOG 3018	Geographic Statistics and Research Methods	3
GEOG 3710	Advanced Geographic Information Systems	4
GEOG 3730	Geo-Spatial Analysis	3
GEOG 4880	Remote Sensing of the Environment	4
Electives (11-12)		
Select any three courses from the following:		11-12
GEOG 3004	Field Methods in Geography	
GEOG 4850	Web GIS	
GEOG 4870	Environmental GIS	
GEOG 4860	GIS and Socio-Economic Applications	
GEOG 5753	Internship in Geography	
Total Units		32-33

Minor in Geography

Requirements for a minor in Geography (19 units)

Lower-division requirements (7)

GEOG 1030	Physical Geography	3
GEOG 1040	Course GEOG 1040 Not Found	1
3 units chosen from:		3
GEOG 1000	Course GEOG 1000 Not Found	
GEOG 1010	Introduction to Human Geography	
GEOG 1650	World Regions and Peoples	

Upper-division requirements (12)

6 units chosen from:		6
GEOG 3020	Social Geography	
GEOG 3030	Cultural Geography	
GEOG 3040	Urban Geography	
GEOG 3050	Economic Geography	
GEOG 3060	Political Geography	
3 units chosen from:		3
GEOG 3045	Global Cities and Urban Environment	
GEOG 3065	Migration and Borderlands	
GEOG 4050	Geography of California	
GEOG 4055	US-Mexico Border Region	
GEOG 4060	Emerging World Regions	
GEOG 4070	Advanced World Regions	
Minimum 3 units chosen from:		3
GEOG 3300	Weather and Climate	
GEOG 3500	Conservation and Natural Resources	
GEOG 3501	Environmental Sustainability	
GEOG 3520	Environmental Inquiry and Education	
GEOG 3701	Environmental Policy and Impact Assessment	
GEOG 4250	Watershed Hydrology and Management	
GEOG 4300	Biogeography	
GEOG 4360	Climate Change	
GEOG 4400	Geomorphology	
GEOG 4651	Coastal Resources Management	
GEOG 4710	Water Wars	
GEOG 4750	Ecosystem Assessment	

Total Units		19
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Minor in Geology

Requirements for a minor in Geology (20 units)

Requirements (8)

Choose one of the following: 3

GEOL 1000 Introductory Geology

GEOL 1020 Plate Tectonics: Key to Understanding Earthquakes, Volcanoes and Tsunami

GEOL 1060 Environmental Geology and Geological Hazards

Choose one of the following laboratories: 1

GEOL 1000L Introductory Geology Laboratory

GEOL 1060L Environmental Geology and Geological Hazards Laboratory

GEOL 2000 Interpreting Earth Systems History: Stories from an Ancient Planet 4

Electives (12)

12 units chosen from Geology courses numbered 2500 or above, with no more than two courses chosen from GEOL 3020, 3030, and 3040. 12

Note: GEOL #309 may not be counted towards the Minor in Geology.

Total Units 20

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Minor in Global Studies

The Minor in Global Studies promotes an understanding of how globalization impacts the physical and human environment. The minor allows students who are already enrolled in other degree programs at CSUSB to gain an abbreviated interdisciplinary perspective in the study of globalization. The goal is to better understand how the social, cultural, political and economic spheres of human life effect, and are affected by, globalization.

Requirements for a minor in Global Studies (21 units)

Lower-division requirements (12)

GEOG 1010	Introduction to Human Geography	3
GEOG 1650	World Regions and Peoples	3
GEOG 2200	Introduction to Global Studies	3
GEOG 2201	Issues in the Global System	3

Upper-division requirements (9)

Students must take a minimum of 9 units from the following: 9

ANTH 3610	Cultural Entanglements and the Global Economy	
COMM 3334	Global Cinema	
ECON 3105	Political Economy	
FIN 3555	Business and Asian Culture	
FREN 3960	French for Reading 1	
FREN 3961	French for Reading 2	
GEOG 3020	Social Geography	
GEOG 3030	Cultural Geography	
GEOG 3050	Economic Geography	
GEOG 3060	Political Geography	
GEOG 3065	Migration and Borderlands	
GEOG 3900	Emerging Topics in Human Geography	
GEOG 3902	Emerging Topics in Environmental Studies	
GEOG 3903	Emerging Topics in Global Studies	
GEOG 4055	US-Mexico Border Region	
GEOG 4060	Emerging World Regions	
GEOG 4070	Advanced World Regions	
GEOG 4450	Globalization and Identity	
GEOG 5150	Global Governance and the United Nations System	
GEOG 5755	Model United Nations Practicum (Fall Semester MUN Team)	
GEOG 5756	Model United Nations Practicum (Spring Semester MUN Team)	
PHIL 3001	Philosophy in the World ^{When the topic is 'Human Rights and Global Citizenship'}	
PSCI 5000	International Law	
SSCI 3000	Global Issues and Perspectives	
	or SSCI 3001 Global Issues and Perspectives	

Total Units

21

Minor in History

Students majoring in all disciplines are welcome to minor in history. A minor in history provides a perfect complement to many disciplines. It engages students in questions about causality and asks students to see the contingent conditions that have shaped our world. It offers students an opportunity to develop their critical analysis, reading, and writing skills. Students may minor in history by completing 3 units in lower division world history and 15 units in upper division history courses.

Requirements for a minor in History (18 units)

Students must choose one 3 unit course from the following: 3

HIST 1400 World History to c. 1500
or ANTH 140 World History to c. 1500

HIST 1440 World History from c. 1500

Students must complete 15 units of upper division units chosen from five of the following seven areas: 15

Ancient History

HIST 3200 History of Ancient Greece

HIST 3210 History of Rome

HIST 3380 Ancient Egyptian Art

HIST 3390 Culture and Society in Ancient Egypt

HIST 4260 Ancient and Early Imperial China

HIST 4520 Ancient Egyptian History, Origins to c. 1700 B.C.E.

HIST 4530 Ancient Egyptian History, c. 1700 B.C.E. to 1000 B.C.E.

HIST 4540 Ancient Egypt, c. 1000 B.C.E. to 495 C.E.

HIST 4800 History of Christianity I

African History

HIST 3380 Ancient Egyptian Art

HIST 3390 Culture and Society in Ancient Egypt

HIST 3860 Africa to 1870

HIST 3870 Africa 1870 to Present

HIST 3880 The Rise, Decline and Legacy of Apartheid South Africa

HIST 3890 Images of Africa

HIST 4500 History of Southern Africa

HIST 4510 The History of Health and Medicine in Africa

HIST 4490 Gender and Development in Africa

HIST 4520 Ancient Egyptian History, Origins to c. 1700 B.C.E.

HIST 4530 Ancient Egyptian History, c. 1700 B.C.E. to 1000 B.C.E.

HIST 4540 Ancient Egypt, c. 1000 B.C.E. to 495 C.E.

Asian History

HIST 4260 Ancient and Early Imperial China

HIST 4280 Medieval China

HIST 4290 Modern China I, 1644-1911

HIST 4310 Modern China II, 1911-Present

HIST 4330 Modern Chinese History in Fiction and Film

HIST 4350 World War II in the Pacific

HIST 4400 History of Modern East Asia

HIST 4560 Mughal India and the Early Modern World

HIST 4570 Modern India at the Crossroads of Empire

HIST 4580 Gandhi: Life and Legacy

HIST 4590 Media Cultures of the Indian Subcontinent

European History

HIST 3050 Ancient and Medieval Europe to the Renaissance

HIST 3060 European History from the Renaissance to the Present

HIST 3200 History of Ancient Greece

HIST 3210 History of Rome

HIST 3350 Modern Ireland

HIST 4000 Early Medieval Europe

HIST 4010 High Medieval Europe

HIST 4020 Renaissance and Reformation

HIST 4030 The Age of Absolutism and Enlightenment

HIST 4050 Nazi Germany and the Holocaust

HIST 4060 European Intellectual History

HIST 4090 Twentieth Century Europe

HIST 4100 Hitler's Europe

HIST 4810 History of Christianity II

HIST 5000 Tudor and Stuart England

HIST 5010 Britain, 1688-1901

HIST 5030 Europe Since 1945

HIST 5350 Studies in European National History

Latin American History

HIST 3900 History of Modern Mexico

HIST 4650 Modern Central America

HIST 4660 Foreign Relations of Latin America

HIST 4670 Latin American History Through Film

HIST 4690 Colonial Latin America

HIST 4700 Modern Latin America

Middle East History

HIST 3830 Classical Islamic Civilization

HIST 3840 Modern Middle East

HIST 4850 Arab-Israeli Conflict

HIST 4860 Modern Iran

HIST 4870 Topics in Modern Middle Eastern History

HIST 4910 Nationalism and Conflict in the Middle East

HIST 4920 U.S. Media and the Middle East

HIST 4930 Iran-U.S. Relations

HIST 4950 Politics of Oil

United States History

HIST 3400 African-American History, 1620-1865

HIST 3410 African-American History, 1865-Present

HIST 3420 American Indian History

HIST 3450 Women in U.S. History, 1607-Present

HIST 3460 Women in the Black Freedom Movement

HIST 3500 The American Colonies, 1607-1783

HIST 3510 The Evolution of American Democracy, 1783-1840

HIST 3540 Civil War and Reconstruction

HIST 3560 The United States, 1877-1917

HIST 3570 The United States, 1917-1945

HIST 3580 United States in World War II

HIST 3590	United States History, Cold War Era
HIST 3600	American History Through Film
HIST 3610	Chicana/o History Through Film
HIST 3620	LGBT History
HIST 3680	The United States, 1960s
HIST 3700	History of California
HIST 3710	California Indian History
HIST 3910	Chicana/o History
HIST 4180	Early American Biography
HIST 4220	20th Century Americans
HIST 5400	Constitutional History of the United States
HIST 5410	U.S. Citizenship and the Law
HIST 5560	Foreign Relations of the United States
HIST 5600	History of the American West
HIST 5610	Gender, Sex, and Conquest in the American West
HIST 5640	Chicana/Mexicana Feminisms
HIST 5650	Immigration and Ethnic American History
HIST 5680	History of the U.S. - Mexico Borderlands
HIST 6300	California Water History
Total Units	18

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Minor in Hospitality Management

Requirements for a minor in Hospitality Management (21 units)

Required Courses: (21)

MKTG 3050	Marketing Principles	3
MKTG 5250	Sports, Entertainment, and Hospitality Marketing	3
MKTG 5700	Introduction to Hospitality Industry	1.5
MKTG 5750	Hospitality Internship I	1.5
MKTG 5720	Hotel Operations and Service Management	1.5
MKTG 5752	Hospitality Internship II	1.5
Nine units chosen from the following courses:		9
MKTG 5730	Festival and Entertainment Management	
MKTG 5740	Tribal Gaming: Cultural and Political Context	
MKTG 4300	Professional Selling and Sales Management	
MKTG 4200	Marketing Communications	
HRM 4550	Human Resources Management	
HRM 4580	Employment Law	
ENTR 5470	Managing a Growing Business	
Total Units		21

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Minor in Human Resource Management

Requirements for a minor in Human Resource Management (18 units)

One Required HRM Course (3)	3
HRM 4550 Human Resources Management	
Nine units chosen from the following courses: (9)	9
HRM 4560 Staffing	
HRM 4570 Industrial and Labor Relations	
HRM 4580 Employment Law	
HRM 4600 Compensation and Performance	
MGMT 3020 Organizational Behavior or PSYC 335 Organizational Psychology	
ADMN 2100 Applied Business Statistics or PSYC 2210 Psychological Statistics	
Six units chosen from the following courses: (6)	6
HRM 4560 Staffing	
HRM 4570 Industrial and Labor Relations	
HRM 4580 Employment Law	
HRM 4590 Human Resources Development	
HRM 4600 Compensation and Performance	
HRM 4700 Strategic Human Resource Management	
HRM 5915 Contemporary Topics in Human Resources Management	
HRM 5930 Contemporary Topics in Human Resources Management	
ADMN 5753 Internship	
ADMN 5755 Internship	
ENTR 4420 Small Business Management	
ADMN 5910 Seminar in Administration	
ADMN 5915 Seminar in Administration	
ADMN 5920 Seminar in Administration	
ADMN 5930 Seminar in Administration	
FIN 3555 Business and Asian Culture	
HSCI 3581 Occupational Safety	
HSCI 4036 Human Resource Management in Health Care	
MGMT 2300 Legal Environment of Organizations	
MGMT 4520 Leadership and Followership	
MGMT 4910 Strategic Management	
PA 3050 Organizations in Multicultural and Diverse Societies	
PA 4620 Managing Human Resources in the Public Sector	
PSYC 1120 Career Development	
PSYC 3355 Industrial Psychology	
Total Units	18

NOTE: Students majoring in Administration with a concentration in Human Resource Management may not minor in Human Resource Management.

Minor in Information Systems and Technology

Requirements for a minor in Information Systems and Technology (19.5 units)

Lower-division requirements (10.5)

IST 1110	Introduction to Information Technology	1.5
9 units chosen from any IST 1000- and 2000-level courses		9

Upper-division requirements (9)

IST 3110	Management of Information Technology	3
Six units chosen from any IST 3000-, 4000- and 5000-level courses.		6
Total Units		19.5

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Minor in International Business

In addition to the grade point average requirements stated in Program Requirements for a Bachelor's Degree (<http://bulletin.csusb.edu/undergraduate-degree-programs/undergraduate-degree-program-requirements/>), an administration major or minor student must earn a grade of ("C") 2.0 or better in all units used to fulfill the requirements of the concentration or minor.

Requirements for a minor in International Business (18 units)

MGMT 4050	Managing Across Borders	3
MKTG 3050	Marketing Principles	3
MKTG 4700	International Marketing	3
MKTG 4760	Strategic Issues in International Business	3
Three units of an approved foreign language. *		3
Three units chosen from the any of the following courses:		3
ADMN 5753	Internship	
ADMN 5755	Internship	
ADMN 5910	Seminar in Administration	
ADMN 5915	Seminar in Administration	
ADMN 5920	Seminar in Administration	
ADMN 5930	Seminar in Administration	
ADMN 6910	Advanced Topics in Administration	
ADMN 6915	Advanced Topics in Administration	
ADMN 6920	Advanced Topics in Administration	
ADMN 6930	Advanced Topics in Administration	
ANTH 3610	Cultural Entanglements and the Global Economy	
ARAB 3117	Advanced Arabic for Professional Communication	
COMM 2201	Intercultural Communication	
ECON 3318	International Economics	
ECON 3780	Multinational Corporations	
ENTR 5260	Global Entrepreneurship	
FIN 3555	Business and Asian Culture	
FIN 4330	International Finance	
FREN 4450	French Means Business	
HSCI 3203	Global Health	
PSCI 5400	Seminar in Comparative Politics	
PSCI 5900	Seminar in International Relations	
SCM 4450	International Logistics	
SPAN 4401	Spanish for the Professions	
Total Units		18

* This program has a foreign language requirement. Students are required to take three units in a foreign language. Students may select courses in any of the following languages offered at CSUSB: Arabic, Chinese, French, Japanese, Korean, Portuguese, Spanish, American Sign Language, Cahuilla, Luiseño, and Serrano. Additional foreign languages may be approved by the Chair of the Department of Marketing. Courses must not be taught in English. Students wishing to take 3 units in a foreign language not offered at CSUSB may request approval from the Chair of the Department of Marketing.

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Minor in Islamic and Middle Eastern Studies

Requirements for a minor in Islamic and Middle Eastern Studies (24 units)

Core Courses (12)

Twelve units chosen from: 12

ANTH 3704R	Anthropology of the Middle East
CAL 3750	Exploring the World of Islam through Literature
GEOG 3900	Emerging Topics in Human Geography
HIST 3830	Classical Islamic Civilization
PSCI 3080	Government and Politics of the Middle East
ARAB 4900	Voices and Visions from the Arab World

Electives (12)

Twelve units chosen from: 12

ANTH 3003R	Prehistory of the Middle East and Europe
ARAB 2900	Arabic Literature in Translation
ARAB 3112	Explorations of Arabic Literary Texts
ENG 3190	Studies in Literary Diversity
COMM 5303	Muslim Women in Media and Society
COMM 5319	Advanced Topics in Media Studies
HIST 3300	Topics in Oral History
HIST 3840	Modern Middle East
HIST 4560	Mughal India and the Early Modern World
HIST 4570	Modern India at the Crossroads of Empire
HIST 4800	History of Christianity I
HIST 4850	Arab-Israeli Conflict
HIST 4860	Modern Iran
HIST 4870	Topics in Modern Middle Eastern History
HIST 4910	Nationalism and Conflict in the Middle East
HIST 4920	U.S. Media and the Middle East
HIST 4930	Iran-U.S. Relations
HIST 4950	Politics of Oil
PSCI 5400	Seminar in Comparative Politics
PSCI 6050	Topics in Strategy:

An Independent Study course chosen in anthropology, English, history, humanities or political science on a Middle Eastern topic.

Total Units 24

Minor in Japanese

Requirements for a minor in Japanese (22 units)

Proficiency in Japanese equal to JAPN 1112 or equivalent.

Note: Entering students with previous training in Japanese, or those who are heritage/native speakers, should contact the Department of World Languages and Literatures or the Japanese program coordinator for information about placement and credit by examination. Students with no prior exposure to Japanese need to take JAPN 1111, JAPN 1112 and JAPN 1102 which will not count toward the 22-unit requirement for the minor.

Lower-division Core (8)	8
JAPN 2111 Second Year College Japanese A	
JAPN 2112 Second Year College Japanese B	
Upper-division Core (8)	8
6 units chosen from:	
JAPN 3111 Japanese Communication	
JAPN 3112 Japanese Media	
JAPN 3113 Business Japanese	
JAPN 3114 Japanese Literature	
2 units chosen from:	
JAPN 3150 Japanese Conversation Lab	
JAPN 3160 Japanese Writing Lab	
Electives (6)	6
3 units chosen from:	
JAPN 2100 Japanese Calligraphy	
JAPN 3100 Analysis of Japanese Culture through Film	
3 units chosen from the following when not taken from above:	
JAPN 2204 Conversation in Japanese	
JAPN 3111 Japanese Communication	
JAPN 3112 Japanese Media	
JAPN 3113 Business Japanese	
JAPN 3114 Japanese Literature	
JAPN 3204 Advanced Conversation in Japanese	
May include no more than 3 units chosen from:	
JAPN 3701 Study Abroad in Japan	
JAPN 3702 Study Abroad in Japan	
JAPN 3703 Study Abroad in Japan	
WLL 3891 Community Service Project	
WLL 3892 Community Service Project	
WLL 3893 Community Service Project	
Total Units	22

Minor in Kinesiology

KINE 4100	Motor Learning and Control	
Total Units		26

A minor in Kinesiology will require a person to take 26 units total, 18 units being KINE classes and at least 9 units of Upper Division KINE classes.

Requirements for a minor in Kinesiology (26 units)

Foundation Courses (14)

BIOL 2230	Human Anatomy and Physiology I for Allied Health Majors	4
BIOL 2240	Human Anatomy and Physiology II for Allied Health Majors (*GE Category B2)	4
KINE 2500	Observational Field Experience in Exercise Science and Allied Health Professions	2
or KINE 2540	Field Work in Physical Education and Adapted Physical Education	
KINE 2100	Orientation to Kinesiology	3
Complete a minimum of one unit:		1
KINE 1010A	Individual and Dual Activities: Badminton	
KINE 1010E	Individual and Dual Activities: Tennis	
KINE 1140A	Physical Fitness and Conditioning Activities: Body Conditioning	
KINE 1140C	Physical Fitness and Conditioning Activities: Jogging	
KINE 1140D	Physical Fitness and Conditioning Activities: Weight Training	
KINE 1140E	Physical Fitness and Conditioning Activities: Yoga	
KINE 1200A	Somatic and Martial Arts Activities: Aikido	
KINE 1200E	Somatic and Martial Arts Activities: Karate	
KINE 1200F	Somatic and Martial Arts Activities: Self-Defense	
KINE 1200G	Somatic and Martial Arts Activities: Cardio-Arts	
KINE 1200I	Somatic and Martial Arts Activities: Pilates	
KINE 1210A	Team Activities: Basketball	
KINE 1210C	Team Activities: Soccer	
KINE 1210F	Team Activities: Volleyball	
KINE 1370A	Aquatic Activities: Swimming	
KINE 1370E	Aquatic Activities: Advanced Swimming for Fitness	
KINE 1490	Independent Activity Project	
KINE 1500A	Dance Activities: Aerobic	
KINE 1500B	Dance Activities: Low-Impact Aerobic	
KINE 1500C	Dance Activities: Step Aerobic	
KINE 1500D	Dance Activities: Ballet	
KINE 1500F	Dance Activities: Jazz	
KINE 1500J	Dance Activities: Sampler	

Kinesiology Electives: (12)

Choose a minimum of 12 units:		12
KINE 2700	Introduction to Fitness and Programming	
KINE 3100	Introduction to Adapted Physical Activity	
KINE 3200	Principles of Human Movement	
KINE 3400	Psychology and Sociology of Human Movement	
KINE 3500	Motor Development Across the Lifespan	
KINE 3810	Sport and Exercise Nutrition	

Minor in Latin American Studies

Admission to the Program

1. Students must meet general university admission requirements;
2. Students should discuss this minor with their academic advisors. All majors are eligible to participate in this minor.
3. Students must complete SPAN 1112 or PORT 1112 prior to beginning the program.

Requirements for Graduation

1. Minors can only be granted for the same term in which students graduate;
2. CSUSB will not consider for transfer credit coursework from an institution that will not accept that coursework in its own degree program.

Requirements for a minor in Latin American Studies (18 units)*

Introductory course (6)		3
LAS 2000	Introduction to Latin American Studies (Core course)	3
Core courses (choose 3 courses) (9)		9
SPAN 3900	Voices & Visions from the Hispanic World	
SPAN 3309	Cultures of Spanish America	
PSCI 3060	Latin American Politics	
SOC 4420	The Latino Experience in the U.S.	
ANTH 3701R	Cultures of Mexico and Central America	
ANTH 3702R	Anthropology of South America	
GEOG 4055	US-Mexico Border Region	
HIST 3900	History of Modern Mexico	
HIST 4650	Modern Central America	
HIST 4700	Modern Latin America	
Elective courses (choose 2 courses) (6)		6
SPAN 2111	Intermediate Spanish 1st. Semester	
SPAN 2112	Intermediate Spanish 2nd. Semester	
SPAN 2251	Intermediate Healthcare Spanish I	
SPAN 2252	Intermediate Healthcare Spanish II	
SPAN 3051	Culture, Health, and Food in Latin America	
PSCI 5400	Seminar in Comparative Politics	
PSCI 5920	Seminar in Government	
SOC 1100	Latino Communities, Wellness, and Life Skills	
SOC 3420	The Latino Family	
SOC 4530	Citizenship, Status, and Inequality	
SOC 4510	Sociology of Migration	
SOC 5250	Indian Nations and Native America	
SOC 5450	Indigenous Peoples	
GEOG 4060	Emerging World Regions	
HSCI 4212	Topics about Special Populations	
HSCI 4210	Cultural Competency	
HIST 4660	Foreign Relations of Latin America	

HIST 4670	Latin American History Through Film	
HIST 4690	Colonial Latin America	
COMM 4302	Latinx, Media, and Cultures	
TA 3720	World Dance Traditions	
TA 4663	Dramatic Literature of Identity	
ADMN 5955	Independent Study	
MGMT 4050	Managing Across Borders	
MKTG 4700	International Marketing	
PA 5900	Special Topics in Public Administration	
Total Units		21

* **Note:** Students may not receive credit for more than 2 courses per Department and more than 4 courses per College.

** **Note:** Spanish courses are taught in Spanish.

Foreign Language Requirement for Spanish or Portuguese

The following rules apply to challenging a language course for credit in this minor:

1. Only courses at the 1112-level or higher may be challenged.
2. Students whose language of instruction in secondary school was Spanish or Portuguese may satisfy this category by submitting official academic transcripts showing that either language was, indeed, the medium of instruction in the school from which they graduated.
3. Providing documentation of significant foreign language experience such as the successful completion of two years of Peace Corps experience in a Spanish- or Portuguese-speaking country.
4. Results from Spanish AP exams may satisfy this requirement.

Minor in Law and Philosophy

Requirements for a minor in Law and Philosophy (18 units)

Core requirements (9)

PHIL 2100	Critical Thinking Through Symbolic Logic	3
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Three units chosen from:		3
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PHIL 3350	Philosophy of Law	
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PHIL 3355	Jurisprudence	
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Three units chosen from:		3
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PHIL 3310	Ethics	
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PHIL 3330	Social and Political Philosophy	
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Electives (9)

Nine units chosen from the following courses, or any 3000 level course above not used to satisfy a core requirement.		9
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PHIL 3100	Predicate Logic	
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PHIL 3390	Topics in Value Theory	
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PHIL 4300	Advanced Issues in Value Theory	
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PHIL 5752	Internship in Philosophy	
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PHIL 5951	Independent Study	
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Total Units		18
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The Law and Philosophy minor is open to students in any major. However, only core requirements PHIL 2100 and PHIL 3310 or PHIL 3330 will count toward satisfaction of general education requirements, the philosophy major, the philosophy minor, or the minor in philosophical logic.

Minor in Linguistics

The Linguistics Minor provides students with a strong introduction to various aspects of language, including speech sounds, grammar, discourse, language acquisition, and language use and its relationship to context, culture, and thought. This minor builds expertise relevant to careers in speech therapy, health communication, conflict management, business and marketing, voice recognition, search engine optimization, artificial intelligence, cyber security, education, social services, and other areas. As such, it may be of particular interest to students majoring in a foreign language, computer science, psychology, anthropology, communication studies, philosophy, social work, nursing, or health science. It is open, however, to students in any major. The program includes one required course and five elective linguistics classes.

Requirements for a minor in Linguistics (18 units)

Required Course (3)

ENG 3110	Introduction to Linguistics	3
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Electives (15)

Fifteen units chosen from:	15
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ENG 3210	Language, Thought, and Culture	
ENG 3220	English Grammar	
ENG 3310	Child Language and Literacy Development	
ENG 3320	Second Language Acquisition	
ENG 5240	Sociolinguistics	
ENG 5230	Grammar and Discourse	
ENG 5260	English Phonetics and Phonology	
ENG 5270	Studies in Language and Linguistics	

Total Units	18
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Minor in Management

Requirements for a minor in Management (18 units)

Required Courses: (15)

MGMT 3020	Organizational Behavior	3
MGMT 3500	Applied Communication	3
MGMT 3350	Business, Ethics, and Society	3
MGMT 4520	Leadership and Followership	3
MGMT 4910	Strategic Management	3
MGMT 5980	Baccalaureate Reflective Essay	0

Three units chosen from the following courses: (3)

MGMT 2300	Legal Environment of Organizations	3
MGMT 3300	Legal Environment of Business	3
MGMT 4020	Organizational Change and Disruptions	3
MGMT 4030	Managing Negotiations	3
MGMT 4040	Managing Technological Innovation	3
MGMT 4050	Managing Across Borders	3
MGMT 4500	Interpersonal Relationships at the Workplace	3
MGMT 4590	Teams in Organizations	3
MGMT 4920	Future of Work and Management	3
MGMT 5915	Contemporary Topics in Management	3
MGMT 5930	Contemporary Topics in Management	3

Total Units		18
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NOTE: Students majoring in Administration with a concentration in Management may not minor in Management. Students must earn a grade of "C" (2.0) or better in all courses required to fulfill the minor in Management.

Minor in Marketing

Requirements for a minor in Marketing (19.5 units)

Required Courses: (7.5)

MKTG 3050	Marketing Principles	3
MKTG 3160	Introduction to Research Methods	1.5
MKTG 4100	Consumer Behavior	3

Twelve units from the following courses: (12)

MKTG 4160	Marketing Research	
MKTG 4200	Marketing Communications	
MKTG 4300	Professional Selling and Sales Management	
MKTG 4460	Integrated Marketing Communications	
MKTG 4600	Retailing and Ecommerce	
MKTG 4700	International Marketing	
MKTG 4750	Digital Marketing	
MKTG 4760	Strategic Issues in International Business	
MKTG 4960	Strategic Marketing Planning	
MKTG 5160	Marketing Data Analytics	
MKTG 5250	Sports, Entertainment, and Hospitality Marketing	
MKTG 5600	Experiential Marketing	

Total Units		19.5
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Minor in Mathematics

Requirements for a minor in Mathematics (26-28 units)

Lower-division requirements (16)

MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2310	Applied Linear Algebra	4
MATH 2320	Multivariable Calculus	4

Upper-division requirements (10-12)

MATH 3100	Mathematical Thinking: Communication and Proof	4
Two courses chosen from upper-division mathematics courses applicable to a Mathematics major (with the exception of MATH 2900, MATH 4900, and MATH 5900), selected in consultation with a math faculty advisor. Note: PHYS 3100 may be substituted for MATH 4270.		6-8

Total Units		26-28
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Media Studies

In the Minor in Media Studies, students gain understandings and skills for navigating and participating and working in our increasingly mediated social and cultural worlds. Media Studies students develop media literacies, theoretical and critical competencies, aesthetic and ethical sensibilities, and media production skills. The Minor's focus is on four main areas of theory and practice: (1) media studies, including media institutions, representations, uses, and effects; (2) film studies, including motion picture history, film aesthetics and analysis, and global cinema studies; (3) digital production, including digital filmmaking, and television and radio production; and (4) multimedia journalism, including newswriting and reporting, and the integrative use of audio, video, photography, text, and interactive tools for storytelling. In addition to using media for personal, social, and civic purposes, Media Studies students typically pursue careers in journalism, broadcasting, filmmaking, or digital/social media, or they continue their education in graduate programs.

Requirements for a minor in Media Studies (18 units)

Core requirements (6)

COMM 3102	Media, Culture, and Society	3
COMM 3301	Media Institutions in Context	3

Elective requirements (12)

Twelve units chosen from any of the following: 12

Media Studies:

COMM 3305	Digital Media and Society
COMM 3319	Topics in Media Studies
COMM 4301	Gender, Race, and Class in Media
COMM 4302	Latinx, Media, and Cultures
COMM 4303	Global Communication
COMM 4304	Media Effects
COMM 4305	Advertising as Social Communication
COMM 5301	Media, Sex, and Violence
COMM 5302	Communication Law and Policy
COMM 5303	Muslim Women in Media and Society
COMM 5319	Advanced Topics in Media Studies

Film Studies:

COMM 3331	The Development of Motion Pictures
COMM 3332	Movies in the Digital Age
COMM 3333	Film Analysis
COMM 3334	Global Cinema
COMM 3335	Visual Communication
COMM 3339	Topics in Film Studies
COMM 5339	Advanced Topics in Film Studies

Digital Production:

COMM 2351	Television Studio Production
COMM 3351	Introduction to Digital Video Editing
COMM 3353	Digital Video Field Production
COMM 3354	Fundamentals of Screenwriting
COMM 3359	Topics in Digital Production
COMM 3361	Digital Audio and Radio Production
COMM 4355	Digital Filmmaking I

COMM 4356	Digital Filmmaking II
COMM 5359	Advanced Topics in Digital Production
Multimedia Journalism:	
COMM 2301	Newswriting and Reporting
COMM 3371	Multimedia Journalism
COMM 3372	Publication Design
COMM 3379	Topics in Multimedia Journalism
COMM 5379	Advanced Topics in Multimedia Journalism
Total Units	18

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Minor in Multimedia Storytelling

Multimedia storytelling involves the combination of text, still photography, video, audio, graphics, and interactivity presented online or in another format in a nonlinear manner. The key to multimedia storytelling is using the media form to present a story in a compelling and informative way. Students pursuing this minor will learn the various aspect of this media form including storyboarding, fieldwork, editing and assembling the story. In short, students will discover the importance of merging new multimedia technology and revising culturally rich and fundamental concepts of storytelling. While telling their stories, students can also explore the issues surrounding social media, community activism, and social justice and change.

Requirements for a minor in Multimedia Storytelling (18 units)

Complete at least 18 units from three different programs in the College of Arts and Letters. A minimum of 6 units must be upper-division. Select from the following list of courses: (18)

ART 1140	Creative Technology for Artists	18
ART 2240	Beginning Imaging and Illustration	
ART 2260	Beginning Photography	
ART 3710	Video Art	
COMM 2301	Newswriting and Reporting	
COMM 2351	Television Studio Production	
COMM 2391	Practicum in Multimedia Journalism: Coyote Chronicle	
COMM 2392	Practicum in Digital Audio and Radio: Coyote Radio	
COMM 2491	Practicum in Strategic Communication: Coyote PR	
COMM 3102	Media, Culture, and Society	
COMM 3305	Digital Media and Society	
COMM 3332	Movies in the Digital Age	
COMM 3335	Visual Communication	
COMM 3351	Introduction to Digital Video Editing	
COMM 3371	Multimedia Journalism	
COMM 3379	Topics in Multimedia Journalism	
DES 1100	Digital Applications Basics	
DES 1110	Fundamental Design Principles	
DES 1125	Design Thinking - Problem Solving & Critical Thinking in Visual Studies	
DES 3500	Business of Creativity	
ENG 2400	Writing in the Public Sphere	
ENG 3240	Studies in Literary Topics	
ENG 3470	Writing for Performance	
ENG 3500	Literary Movements: Aesthetics and Craft	
ENG 4630	Advanced Studies in Literary Topics	
ENG 5010	Media Performance Practicum	
ENG 5130	Advanced Creative Writing in Specialized Genres	
MUS 2266	Creating digital Media Using Personal Electronic Technology	
TA 3210	Voice and Movement	

TA 3602	Dramatic Analysis and Playwriting for Teachers
TA 3647	Playwriting
TA 4241	Styles of Acting

Note: Students are able to receive credit for summer arts courses pertaining to the minor.

Total Units 18

Minor in Multimedia Storytelling

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Total Units 18

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MUS 2266	Creating digital Media Using Personal Electronic Technology	
TA 3210	Voice and Movement	

TA 3602	Dramatic Analysis and Playwriting for Teachers
TA 3647	Playwriting
TA 4241	Styles of Acting

Note: Students are able to receive credit for summer arts courses pertaining to the minor.

Total Units 18

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Minor in Music Technology

The Minor in Music Technology includes study of electronic music and sound recording with an emphasis on connections to media study within other disciplines, such as music and sound for game design, post-production video, and virtual reality. The minor is intended to augment career preparation for not only students majoring in music, but also students majoring in other media-related disciplines.

Requirements for a Minor in Music Technology (25 units)

MUS 1100	Fundamentals of Music Theory	3
MUS 1110	Basic Musicianship	2
MUS 2120	Theory I	3
MUS 2125	Musicianship I	2
MUS 2660	Electronic Music Production	3
MUS 2670	Sound Recording	3
Six units from:		6
MUS 4290	Topics in Music Technology	
Three units from coursework in a media-related discipline as approved by the department.		3
MUS 5751	Internship in Music Technology 1	
MUS 5752	Internship in Music Technology 2	
MUS 5753	Internship in Music Technology 3	
Total Units		25

Minor in Music

Requirements for a minor in Music (26 units)

MUS 1100	Fundamentals of Music Theory	3
MUS 1110	Basic Musicianship	2
MUS 2120	Theory I	3
MUS 2125	Musicianship I	2

Some or all of the above music theory courses can be waived based on departmental placement testing. Contact the Music Department chair for more details. Waived coursework must be replaced with other music courses of the same number of units.

MUS 1800	Music Appreciation	3
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Two units chosen from: 2

MUS 2050	Class Guitar	
MUS 2060	Class Voice	
MUS 2110	Lyric Diction I	
MUS 2111	Lyric Diction II	
MUS 2200	Class Piano I	
MUS 2210	Class Piano II	

Three units chosen from: 3

MUS 1969	LGBTQ+ Influences in Music	
MUS 3040	Western Music History to 1700	
MUS 3050	Western Music History from 1700 to 1900	
MUS 3080	Women in Music	
MUS 3309	Jazz History in America and African-American Culture	
MUS 3500	Global Music	

Two units chosen from: 2

MUS 2000	Large Music Ensemble	
MUS 3800	Symphony Orchestra	
MUS 3810	Symphonic Band	
MUS 3821-3829	Chamber Music:	
MUS 3850	Concert Choir	
MUS 3860	Chamber Singers	

Six units in music courses at the upper-division level. 6

Total Units 26

Minor in Nonprofit Management

The Minor in Nonprofit Management provides students with a solid background in managing nonprofit organizations. It may be a helpful supplement to all degrees, particularly for students who plan to work for nonprofit organizations.

Requirements for a minor in Nonprofit Management (18 units)

PA 3150	Society, Business, & Global Governance	3
PA 3800	Introduction to Public Administration	3
PA 5010	Administrative Leadership	3
PA 5140	Nonprofit Management and Leadership	3
PA 5170	Nonprofit Fundraising and Grantwriting	3
PA 5150	Executive Nonprofit Leadership	3
Total Units		18

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Minor in Philosophical Logic

Requirements for a minor in Philosophical Logic (18 units)

Core requirements (9)

PHIL 2100	Critical Thinking Through Symbolic Logic	3
PHIL 3100	Predicate Logic	3
PHIL 3560	Philosophy of Logic and Mathematics	3

Advanced Issues (3)

PHIL 4100	Advanced Issues in Logic	3
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(Introductory Metalogic or Incompleteness and Computability Topic)

Electives (6)

Six units from the non-classical logics topic of PHIL 3110, the inductive logic topic of PHIL 3110, and/or a topic of PHIL 4100 not used to satisfy the advanced issues requirement.	6
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Total Units	18
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NOTE:

The Minor in Philosophical Logic is open to students in any major. However, only the core requirements PHIL 2100 and PHIL 3100 may also count toward satisfaction of General Education requirements, the philosophy major, philosophy minor, or minor in law and philosophy.

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Minor in Philosophy, Policy, and Economics

Requirements for a minor in Philosophy, Policy and Economics (21 units)

Students must complete 21 units from the courses listed below with a minimum of six units in each of the fields. Students who major in philosophy, political science or economics must earn 15 units outside their major from the courses listed below.

Philosophy

PHIL 3330	Social and Political Philosophy
PHIL 3350	Philosophy of Law
PHIL 3355	Jurisprudence
PHIL 3390	Topics in Value Theory
PHIL 4300	Advanced Issues in Value Theory

Economics

ECON 3101	Political Economy of Southern California
ECON 3103	Environmental Economics
ECON 3105	Political Economy
ECON 3109	Political Economy of Women
ECON 3125	Economic History of the United States

Political Science

PSCI 3100	Classical Political Thought
PSCI 3110	Foundations of Modern Political Thought
PSCI 3130	Modern Political Thought
PSCI 3150	Post Modern Political Thought

Total Units	21
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Minor in Philosophy, Policy, and Economics

Requirements for a minor in Philosophy, Policy and Economics (21 units)

Students must complete 21 units from the courses listed below with a minimum of six units in each of the fields. Students who major in philosophy, political science or economics must earn 15 units outside their major from the courses listed below.

Philosophy

PHIL 3330	Social and Political Philosophy
PHIL 3350	Philosophy of Law
PHIL 3355	Jurisprudence
PHIL 3390	Topics in Value Theory
PHIL 4300	Advanced Issues in Value Theory

Economics

ECON 3101	Political Economy of Southern California
ECON 3103	Environmental Economics
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ECON 3125	Economic History of the United States

Political Science

PSCI 3100	Classical Political Thought
PSCI 3110	Foundations of Modern Political Thought
PSCI 3130	Modern Political Thought
PSCI 3150	Post Modern Political Thought

Total Units	21
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Minor in Philosophy, Policy, and Economics

Requirements for a minor in Philosophy, Policy and Economics (21 units)

Students must complete 21 units from the courses listed below with a minimum of six units in each of the fields. Students who major in philosophy, political science or economics must earn 15 units outside their major from the courses listed below.

Philosophy

PHIL 3330	Social and Political Philosophy
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ECON 3101	Political Economy of Southern California
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Political Science

PSCI 3100	Classical Political Thought
PSCI 3110	Foundations of Modern Political Thought
PSCI 3130	Modern Political Thought
PSCI 3150	Post Modern Political Thought

Total Units 21

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Minor in Philosophy

Requirements for a minor in Philosophy (18 units)

Basic Logic (3)	3
PHIL 2100 Critical Thinking Through Symbolic Logic	
History (3)	
Three units chosen from:	3
PHIL 3210 Ancient Philosophy	
PHIL 3250 Early Modern Philosophy	
PHIL 3290 Topics in the History of Philosophy	
PHIL 4200 Advanced Issues in History of Philosophy	
Metaphysics/Knowledge (3)	
Three units chosen from:	3
PHIL 3550 Metaphysics	
PHIL 3580 Philosophy of Language	
PHIL 3510 Theory of Knowledge	
PHIL 3520 Philosophy of Science	
PHIL 3590 Topics in Metaphysics and Knowledge	
PHIL 4500 Advanced Issues in Metaphysics and Knowledge	
Value Theory (3)	
Three units chosen from:	3
PHIL 3310 Ethics	
PHIL 3330 Social and Political Philosophy	
PHIL 3350 Philosophy of Law	
PHIL 3355 Jurisprudence	
PHIL 3399 Topics in Value Theory	
PHIL 4300 Advanced Issues in Value Theory	
Electives (6)	
Six units chosen from philosophy courses. Elective units may include philosophy courses taken to satisfy General Education requirements. No more than 3 elective units numbered 0 – 2999, no more than 3 elective units numbered 3000 – 3099.	6
Total Units	18

The philosophy minor is not open to philosophy majors (since all the courses in the minor contribute to the major). Only the logic requirement PHIL 2100 may also count toward satisfaction of General Education requirements, minor in philosophical logic, or minor in law and philosophy.

Minor in Physics

Requirements for a minor in Physics (39 units)

Lower-division requirements (29)

MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2310	Applied Linear Algebra	4
MATH 2320	Multivariable Calculus	4
PHYS 2500	General Physics I	4
PHYS 2500L	General Physics I Lab	1
PHYS 2510	General Physics II	4
PHYS 2510L	General Physics II Lab	1
PHYS 2700	Modern Physics	3

Upper-division requirements (10)

PHYS 3100	Mathematical Methods of Physics	4
Six units of upper-division electives approved by the department:		6
PHYS 3200	Classical Mechanics	
PHYS 3300	Computational Physics	
PHYS 3400	Electricity & Magnetism	
PHYS 3500	Statistical and Thermal Physics	
PHYS 3600	Data Acquisition and Control	
PHYS 3800	Intermediate Physics Laboratory	
PHYS 4400	Electricity & Magnetism II	
PHYS 4600	Electronics	
PHYS 4700	Quantum Mechanics	
PHYS 4800	Senior Thesis	
PHYS 4851-4853	Special Topics in Physics	
PHYS 4851L-4852L	Special Topics in Physics Laboratory	
PHYS 5100	Mathematical Methods of Physics II	
PHYS 5400	Optics	
PHYS 5500	Solid State Physics	
PHYS 5700	Quantum Mechanics II	
PHYS 5751-5753	Internship (maximum 3 units)	
PHYS 5851-5853	Special Topics in Physics	
PHYS 5851L-5852L	Special Topics in Physics Laboratory	
PHYS 5951-5953	Independent Study (maximum 3 units)	

Total Units 39

Minor in Political Economy

Requirements for a minor in Political Economy (18 units)

Lower-division requirements (3)

ECON 2000	The Economy: Problems and Perspectives	3
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Upper-division requirements (15)

ECON 3105	Political Economy	3
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Six units chosen from:		6
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ECON 3101	Political Economy of Southern California
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ECON 3103	Environmental Economics
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ECON 3109	Political Economy of Women
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ECON 3125	Economic History of the United States
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ECON 3720	Behavioral Economics
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ECON 3750	Origins of Political Economy
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ECON 3790	Post-Keynesian Economics
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Six units chosen from:		6
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ANTH 3603	Gendered Worlds: Power, Difference, and In/equality
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GEOG 3050	Economic Geography
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GEOG 3501	Environmental Sustainability
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GSS 4200	Feminist Theory
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GSS 4250	Women as Agents of Social Change
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GSS 4500	Queer Theory
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PHIL 3330	Social and Political Philosophy
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PSCI 3300	State and Local Politics
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PSYC 3354	Organizational Psychology
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SOC 4100	Sociology of Race and Ethnicity
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SOC 4200	Social Movements
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SOC 4220	Sociology of Work
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SOC 4340	Community Organization
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SOC 4440	Sociology of Sex and Gender
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SSCI 3160	Race and Racism
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SSCI 3390	Climate Change
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Total Units		18
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Minor in Political Science

Requirements for a minor in Political Science (18 units)

PSCI 2030	Government of the United States	3
PSCI 2040	International Relations	3
PSCI 3140	American Political Thought	3
Nine units of upper-division political science course work chosen in consultation with an advisor.		9
Total Units		18

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Minor in Pre-Law

Requirements for a minor in Pre-law (18 units)

PSCI 3280	Judicial Process	3
PSCI 4100	American Constitutional Law	3
PSCI 4110	The Bill of Rights	3
PSCI 5350	Seminar in Constitutional Law	3
Six units chosen from:		6
CJUS 3370	Law and the Courts	
CJUS 5580	Juvenile Justice	
HIST 5400	Constitutional History of the United States	
MGMT 3300	Legal Environment of Business	
PHIL 3350	Philosophy of Law	
PSCI 5000	International Law	
PSCI 5250	Constitutional Interpretation	
Total Units		18

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Minor in Psychology

A minor in Psychology is an effective complement to a variety of majors including Criminal Justice, Communication Studies, Management, Marketing, Social Work, and Health Science.

Requirements for a minor in Psychology (18 units)

PSYC 1100	Introduction to Psychology	3
PSYC 2220	Brain and Behavior	3
PSYC 2211	Introduction to Psychological Research	3
PSYC 3382	Social Psychology	3
	or PSYC 3390 Abnormal Psychology	
PSYC 2201	Developmental Psychology	3
	or PSYC 3324 Developmental Psychobiology	
Students may substitute PSYC 2240 Introduction to Child Development for this requirement. Students may only apply one of 2201 or 2240 to the Psychology major.		
Three units of upper-division Psychology Electives		3
Total Units		18

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Minor in Public Administration

The Minor in Public Administration provides student a basic background in managing public service organizations. It is an helpful supplement to all degrees, particularly for students who will work for government and nonprofit organizations.

Requirements for a minor in Public Administration (18 units)

Upper-division requirements (15)

PA 3800	Introduction to Public Administration	3
PA 3150	Society, Business, & Global Governance	3
PA 4620	Managing Human Resources in the Public Sector	3
PA 4630	Governmental Budgeting	3
PA 4700	Public Policy and Administration	3

Three units chosen from the following courses: (3)

PA 3070	Public Relations in the Public Sector	
PA 5010	Administrative Leadership	
PA 5140	Nonprofit Management and Leadership	
PA 5150	Executive Nonprofit Leadership	
PA 5170	Nonprofit Fundraising and Grantwriting	
PA 5190	Managing Diversity in Organizations	
PA 5210	Urban Growth and Planning	
PA 5280	Intergovernmental Relations and Policy Networks	
PA 5570	Public Sector Labor Relations	
PA 5640	Local Public Administration	
PA 5730	Public Transportation Systems	

Total Units		18
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Minor in Real Estate

Requirements for a minor in Real Estate (22.5 units)

Lower-division requirements (9)

ACCT 2110	Introductory Accounting I	3
ACCT 2120	Introductory Accounting II	3
Three units chosen from the following courses: * Satisfies GE category B4		3
MATH 1301	Modeling with Functions	
MATH 1401	Accelerated Preparation for Calculus	
MATH 1601	Modeling with Calculus	
MATH 2210	Calculus I	

Upper-division requirements (13.5)

FIN 3001	Finance I	3
FIN 3002	Finance II	1.5
FIN 3800	Principles of Real Estate	3
Six units chosen from:		6
FIN 3555	Business and Asian Culture	
FIN 4320	Financial Institutions and Capital Market	
FIN 4800	Real Estate Appraisal	
FIN 4810	Real Estate Practice	
FIN 4850	Legal Aspects of Real Estate	
FIN 5850	Real Estate Finance	

Total Units		22.5
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Minor in Relational and Organizational Communication

The minor in Relational and Organizational Communication enables students to engage in focused study of specific areas of communication studies including interpersonal, family, organizational, conflict, and intercultural communication. Students will complete nine units of core courses (Intercultural, Relational, and Organizational Communication), and will select nine units of concentration electives. The electives introduce students to both communication theory and praxis while preparing them for the professional world. This minor may be appropriate for students interested in honing their communication skills and deepening their understanding of relational and organizational communication.

Requirements for a minor in Relational and Organizational Communication (18 units)

Core Courses (9)

COMM 2201	Intercultural Communication	3
COMM 4202	Relational Communication	3
COMM 4203	Organizational Communication	3

Elective Courses (9)

Nine units selected from the following: 9

COMM 2231	Small Group Communication	
COMM 2251	Fundamentals of Interpersonal Communication	
COMM 2291	Practicum in Relational and Organizational Communication	
COMM 2293	Practicum in Intercollegiate Forensics: Coyote Debate	
COMM 3211	Business and Professional Communication	
COMM 3212	Persuasion	
COMM 3227	Topics in Relational and Organizational Communication	
COMM 3230	Nonverbal Communication	
COMM 3231	Communication for Training Programs	
COMM 4211	Communication and Gender	
COMM 4222	Communication and Conflict	
COMM 4231	Classroom Communication	
COMM 4241	Interviewing	
COMM 4291	Advanced Practicum in Relational and Organizational Communication	
COMM 4293	Advanced Practicum in Intercollegiate Forensics: Coyote Debate	
COMM 5222	Mediation Theory and Practice	
COMM 5267	Advanced Topics in Relational and Organizational Communication	
COMM 5280	Culture and Ethnicity in Language	

No more than 4 Experiential Learning units (i.e. units from COMM 2291, COMM 2293, COMM 4291, or COMM 4293) may be applied toward the minor in Relational and Organizational Communication. In addition, Experiential Learning units that applied toward a major in Communication Studies may not count toward the minor in Relational and Organizational Communication.

Total Units

18

Minor in Sociology

SOC 5600	Social Determinants of Health
Total Units	18

The sociology minor program offers students a program of study to examine social phenomenon, develop theoretical and methodological proficiencies, and apply a critical understanding of complex social issues. The curriculum is designed to provide students with a solid sociological foundation to analyze social structures and contribute to transforming and diversifying our social world.

Requirements for a minor in Sociology (18 Units)

Foundation (3)

SOC 1000	Introduction to Sociology	3
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Upper-division Electives (15)

Fifteen units chosen from:		15
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SOC 3010	Qualitative Analysis & Field Research	
SOC 3020	Introduction to Community-Based Research	
SOC 3070	Quantitative Analysis & Survey Research	
SOC 3110	Sociological Theory	
SOC 3300	Aging and The Lifecourse	
SOC 3360	Black Women and Feminism	
SOC 3390	Socialization	
SOC 3400	Sociology of Families	
SOC 3410	The African American Family	
SOC 3420	The Latino Family	
SOC 3430	Sociology of Violence	
SOC 3440	LGBTQ Families	
SOC 3500	Criminology	
SOC 3540	Deviant Behavior	
SOC 3550	Medical Sociology	
SOC 3560	Sociology of Mental Health	
SOC 3600	Social Psychology	
SOC 3800	Sociology of Religion	
SOC 4100	Sociology of Race and Ethnicity	
SOC 4180	Social Welfare in the U.S.	
SOC 4200	Social Movements	
SOC 4220	Sociology of Work	
SOC 4240	Social Networks	
SOC 4340	Community Organization	
SOC 4360	Group Dynamics	
SOC 4400	Social Inequality	
SOC 4410	Black Americans in Contemporary Society	
SOC 4420	The Latino Experience in the U.S.	
SOC 4440	Sociology of Sex and Gender	
SOC 4510	Sociology of Migration	
SOC 4530	Citizenship, Status, and Inequality	
SOC 4840	Social Casework	
SOC 5250	Indian Nations and Native America	
SOC 5400	Sociology of Education	
SOC 5450	Indigenous Peoples	
SOC 5500	Applied Sociological Research	
SOC 5510	Borders, Knowledges, and Identities	

Minor in Spanish

Requirements for a minor in Spanish (20 units)

Proficiency in Spanish equal to SPAN 1112

Note: Entering students with previous training in Spanish, and those who are heritage/native speakers, should contact the Department of World Languages and Literatures for information about advanced placement and credit by examination.

Lower Division requirements (8)

Eight units chosen from: 8

SPAN 2111 Intermediate Spanish 1st. Semester

SPAN 2112 Intermediate Spanish 2nd. Semester

SPAN 2151 Accelerated Intermediate Spanish

SPAN 2204 Conversation

SPAN 2251 Intermediate Healthcare Spanish I

SPAN 2252 Intermediate Healthcare Spanish II

Upper division requirements (12)

Any Spanish Upper Division or Spanish Section Approved courses. 12

Total Units 20

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Minor in Sports and Entertainment Marketing

Requirements for a minor in Sports Entertainment Marketing (18 units)

MKTG 3050	Marketing Principles	3
MKTG 4300	Professional Selling and Sales Management	3
MKTG 5250	Sports, Entertainment, and Hospitality Marketing	3
MKTG 5500	Advanced Sports Marketing Planning and Strategy	3
MKTG 5550	Advanced Entertainment Marketing Planning and Strategy	3
Three units chosen from the following courses: (3)		3
MKTG 3160	Introduction to Research Methods	
MKTG 4100	Consumer Behavior	
MKTG 4160	Marketing Research	
MKTG 4200	Marketing Communications	
MKTG 5915	Seminar in Marketing	
MKTG 5930	Seminar in Marketing	
ADMN 5753	Internship	
ADMN 5755	Internship	
Total Units		18

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Minor in Strategic Communication

Strategic communication involves the identification, establishment, and maintenance of mutually beneficial relationships between an organization and the various publics on whom it depends. The Minor in Strategic Communication prepares students in both traditional and digital communication skills, thereby readying them for careers in the global workforce.

Requirements for a minor in Strategic Communication (18 units)

Required Courses (15)

COMM 2301	Newswriting and Reporting	3
COMM 3401	Introduction to Strategic Communication	3
COMM 3402	Writing for Public Relations	3
COMM 4401	Strategic Communication Campaigns	3
COMM 5401	Crisis Communication	3

Elective Course (3)

Three units chosen from:		3
COMM 3403	Business Literacy for Strategic Communication	
ECON 2201	Principles of Microeconomics	
MKTG 3050	Marketing Principles	
ADMN 1500	Introduction to Administration	
ENTR 3000	Entrepreneurship and Innovation	
MGMT 3900	Principles of Strategy	

Total Units		18
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Minor in Studio Art

The Minor in Studio Art offers students with a strong interest in art to pursue coursework in the different studio areas while working towards a degree in another major.

Requirements for a minor in Studio Art (24 units)

Lower-division requirements (15)

Choose two foundation courses from the following. 6

ART 1120	2D Foundation: Line, Color and Composition
ART 1130	3D Foundation: Form, Space & Time (Three foundation level courses chosen from:)
ART 1140	Creative Technology for Artists
ART 1150	Language of Art
ART 1160	Introduction to Drawing and Life Drawing

Choose two lower-division studio courses chosen from: 6

ART 2240	Beginning Imaging and Illustration
ART 2260	Beginning Photography
ART 2290	Beginning Painting
ART 2320	Beginning Ceramics
ART 2330	Beginning Glass
ART 2350	Beginning Sculpture

Art History. One lower division art history course. 3

Upper-division requirements (9)

Two courses chosen from: 6

ART 3330	Intermediate Glass
ART 3160	Intermediate Drawing and Life Drawing
ART 3260	Intermediate Photography
ART 3290	Intermediate Painting
ART 3350	Intermediate Sculpture
ART 3320	Intermediate Ceramics

One course chosen from: 3

ART 3780	Special Topics in Art
ART 4160	Advanced Drawing and Life Drawing
ART 4240	Advanced Imaging and Illustration
ART 4290	Advanced Painting
ART 4260	Advanced Photography
ART 4320	Advanced Ceramics
ART 4330	Advanced Glass
ART 4350	Advanced Sculpture

Total Units 24

Minor in Supply Chain Management

Requirements for a minor in Supply Chain Management (25.5 units)

Lower-division requirement (7.5)

ADMN 2100	Applied Business Statistics	3
IST 1110	Introduction to Information Technology	1.5
IST 2410	Database Management for Business	3

Upper-division requirements (18)

SCM 3040	Principles of Supply Chain Management	3
SCM 3050	Enterprise Resource Planning	3
SCM 4700	Advanced Supply Chain and Logistics Management	3
SCM 4750	Supply Chain Business Analytics	3
SCM 5050	Advanced Enterprise Resource Planning	3
SCM 5150	Project Management	3

Total Units		25.5
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Minor in Theatre Arts

Requirements for a minor in Theatre Arts (18 units)

Lower-division requirement (3)

TA 2660	Introduction to Theatre	3
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Upper-division requirement (3)

Three units chosen from:		3
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TA 3122	Performance Practicum	
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TA 3123	Performance Practicum	
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TA 3131	Technical Practicum	
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TA 3132	Technical Practicum	
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TA 4420	Touring Practicum	
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Electives (12)

Select courses, in consultation with a Department Adviser, to meet the goals for which the Minor is chosen. A minimum of 12 units must be taken in upper division courses in TA.	12
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Total Units	18
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Minor in World Literatures

Requirements for a minor in World Literatures (18 units)

Students are required to take five electives. No more than one course may come from any one of the following categories. At least **one** of the courses must be numbered 3000 or higher and at least **two** must have the Writing Intensive (WI) designation:

Core (Required) (3)

ENG 3000	Studies in Global Literatures	3
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Electives (15)

No more than one course may come from any of the following categories. At least one of the courses must be numbered 3000 or higher and at least two must have the Writing Intensive (WI) designation.	15
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Arabic

ARAB 2900	Arabic Literature in Translation
ARAB 3900	Female Voices in Arab American Literature (WI)

Chinese

CHIN 2900	Chinese Literature in Translation
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English

ENG 1200	Multi-Ethnic American Literature
ENG 3330	Myth and Epic
ENG 3390	African American Literature
ENG 3140	Native American and Indigenous Literatures
ENG 3230	Chicana/o Literature

French

FREN 2900	French Literature in English
FREN 3900	Voices & Visions from the Francophone World (WI)

Japanese

JAPN 2900	Japanese Literature in English
JAPN 3900	Voices & Visions from the World of Japanese Anime and Manga (WI)

Korean

KOR 2900	Korean Literature in English
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Spanish

SPAN 2900	Spanish Literature and Film in English
SPAN 3900	Voices & Visions from the Hispanic World (WI)

World Languages & Literatures

WLL 3920	Great Works, Revolutionary Ideas, and Important Discoveries (WI)
WLL 3940	Mediterranean Languages and Identities (WI)
WLL 3950	Languages & Cultures

Theatre Arts

TA 1160	World Drama
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Total Units	18
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Multiple Subject Credential

A teacher with a Multiple Subject Teaching Credential is authorized to teach students in grades pre-K through 12 in self-contained classrooms, or in classes organized primarily for adults. The credential holder may serve in a core or team-teaching setting. This credential includes the English Learner Authorization which permits the teacher to provide instruction for English language development.

The Multiple Subject Credential Program (MSCP) is a post-baccalaureate program focusing on preparing teachers for California. The 34-semester unit program includes early field experiences in elementary schools, combined with coursework, supervised student teaching and two cycles of assessments (i.e., CalTPA). Supervised student teaching requires full-time attendance at an elementary or middle school. Program requirements must be met within five years of the date of admission to the program.

The Multiple Subject Credential Program provides the sequence of courses, deadlines, and other program related information.

The Multiple Subject Credential Program has the following four concentrations:

1. Multiple Subject Credential (i.e., credential with traditional student teaching)
2. Multiple Subject Intern Credential (i.e., credential with district-employed internship)
3. Multiple Subject Credential with Bilingual Added Authorization in Spanish (i.e., credential with traditional student teaching)
4. Multiple Subject Credential with Bilingual Added Authorization in Spanish Internship (i.e., credential with district-employed internship)

The above credential concentrations are available to post baccalaureate students and to undergraduate students in the Bachelor of Arts in Liberal Studies: Integrated Program.

The Intern Credential Program of 40 semester units is for those students who have been placed in an employment setting. Interns are issued a two-year intern credential from the Commission on Teacher Credentialing and are employed by a partnering school district. If a candidate does not secure a job, he/she may pursue the basic credential program as a student teacher. The intern program requires three semesters of supervised teaching. The internship may begin in any semester.

Bilingual Authorization allows the holder to provide instruction to English Learners (EL). The license permits the following types of instruction to ELs, (a) Instruction for English Language Development (ELD), (b) Instruction for Primary Language Development, (c) Specially Designed Academic Instruction Delivered in English (SDAIE), and (d) Content Instruction Delivered in the Primary Language.

For information about the credential program and advisement please contact the program coordinator or the College of Education Program Admissions Advisor.

Preliminary Credential

Successful completion of any concentration in the Multiple Subject Credential Program leads to the Preliminary Credential, which is valid for five years. Applicants for the Preliminary Credential are required to:

1. hold a bachelor's degree from an accredited institution within the U.S. or equivalent;
2. complete the U. S. Constitution requirement;
3. complete the Basic Skills Requirement (e.g., CBEST);
4. hold a Certificate of Clearance (CTC fingerprint clearance);
5. demonstrate subject matter competence by passing the California Subject Examinations for Teachers: Multiple Subjects (CSET: Multiple Subjects) or completion of a CTC-approved subject matter preparation program;
6. complete all program courses with no grade lower than a "B";
7. successfully complete student teaching or supervised internship;
8. pass the Reading Instruction Competence Assessment (RICA) examination;
9. pass Cycle 1 and Cycle 2 of the California Teaching Performance Assessment (CalTPA);
10. for the Bilingual Added Authorization concentration candidates demonstrate competence in specialized pedagogy, culture, and the target language. Spanish language proficiency may be met through coursework or state-approved exams.

Early Completion Intern Option

Intern teachers may challenge the coursework portion of the Multiple Subject Credential Intern Program and demonstrate pedagogical skills by passing the CTC-approved performance assessment. For details, see the CTC Website on this topic.

Clear Credential

The Preliminary Credential is valid for five years from the date of issuance and is not renewable. During the first five years of teaching, teachers earn the clear credential through their district-sponsored Induction Program.

Admission to the Program

Students apply to the university through Cal State Apply and concurrently submit a 'Supplemental Application' for admission to the program.

Applicant Submits the following to Cal State Apply Supplemental Application:

1. Verification of subject matter competence via one of the following: (a) successful completion of a CTC approved subject matter competency program or approved equivalent or (b) official copy of the valid CSET Electronic Score Report;
2. Two recommendations forms from two individuals (not a family member) who are able to evaluate and address the applicant's scholastic performance and suitability for teaching;
3. A written, personal narrative/essay (600-700 words) on (a) reasons for wanting to be an elementary school teacher and (b) background that prepares the applicant to be a teacher;
4. Verification of a valid negative TB test result via one of the following, (a) an official immunization record stamped by the healthcare provider, (b) an official letterhead signed by the healthcare provider (Risk Assessment Questionnaires are not acceptable), *Note: Negative*

TB test results are valid for four years from the date of the test and must remain valid for the duration of the program;

5. Official transcript(s) from each institution attended with the exception of California State University San Bernardino (CSUSB) submitted directly to the Jim and Judy Watson College of Education Student Services Office (CE 102) by the program deadline date.
 - a. All applicants must have a cumulative grade point average of 2.67 or of 2.75 in their last 60 semester units of 90 quarter units);
 - b. All applicants must verify successful completion ENG 3110. All applicants must also verify completion of either: (A) EDMS 3010; or (B) (i) CD 2240 and (ii) EDMS 3011 or CD 2246;
6. Documentation of at least 45 hours of field experience in K-12 classrooms via any of the following: (a) early field experience verification form, (b) original letterhead signed by the authorized school personnel, (c) original field log signed by the authorized school personnel (Applicants who have successfully completed EDMS 2301 and one of the following: (A) EDMS 3010 and (B) (i) CD 2240 and (ii) EDMS 3011 or CD 2246 at CSUSB are exempt from this requirement);
7. Verification from the Commission on Teacher Credentialing (CTC) of the issuance of a valid California Certificate of Clearance, credential or permit;
8. Verification of successful completion of the Basic Skills Requirement
9. Completion of the upper-division writing requirement at the university or the equivalent graduation requirement at another accredited institution, or a passing score on the CSUSB Writing Requirement Exemption Evaluation (WREE), or a passing score on the written portion of the CBEST (Note: CBEST examination does not meet the graduate entrance writing requirement for the Master of Arts degree);
10. Verification of the \$35 non-refundable application processing fee.

All applicants who have submitted a complete application will receive notification within 10 working days of submission via MyCoyote email to set-up a mandatory faculty interview. Admission to the program is based on (a) the successful completion of the faculty interview, and (b) attendance at the New Student Orientation meeting at which time applicants will also complete a Student Teaching Placement Application.

Admission to Supervised Student Teaching

Students must apply for supervised student teaching (EDMS 4107A) along with the Supplemental Application. Admission to supervised student teaching is based on the following criteria and conditions:

1. Successful completion of pre-requisite courses:
2. Concurrent enrollment in the following courses: EDMS 4100, 4101A or 4101B, 4102, 4103, and 4104.

Admission to the Intern Program

In addition to the steps, conditions and criteria outlined above for the Multiple Subject Credential Program the applicant must fulfill the following:

1. Submit an application to the intern program,
2. Successfully complete prerequisite and co-requisite courses,
3. Successfully complete the following pre-service courses with a grade of B- or better (candidates can apply to the program while concurrently enrolled in these courses): EDMS 4100, 4101A or 4101B, 4102, and 4103;

4. Provide Verification of Employment by a school district that has a contractual agreement with the university. The intern is employed full time and is assigned to teach in a self-contained classroom while enrolled in courses at CSUSB. (A listing of these districts is in the Handbook for Multiple Subject Credential Programs.)
5. Apply for an intern credential once admitted to the intern track and the job is secured. Submit the application for the intern license to CE 102.

Admission to the Bilingual Added Authorization in Spanish Program

To receive the Bilingual Added Authorization in Spanish students must take the following courses:

EDMS 4101B: Language Arts Teaching and Learning (Spanish)
3 units

(To be taken instead of EDMS 4101A)

SPAN 3305: Applied Spanish Grammar
3 units

HUM 3335: The Origin and Contemporary Role of Latino Culture
3 units

(SPAN 3305 and HUM 3335 must be taken prior to admission to the Credential Program)

Supervised Student teaching or Supervised Intern Teaching must be done in a bilingual classroom. All students seeking the Bilingual Added Authorization in Spanish must consult with the faculty advisor for students in this concentration.

Credential Requirements (34 units)

Courses for all four concentrations. Students must complete all program course work with a grade point average of 3.0 ("B") with no course grade lower than "B-."

EDMS 4100	Psychological Foundations of Education	3
EDMS 4101A	Language Arts Teaching and Learning	3
or EDMS 4101B	Language Arts Teaching and Learning in Bilingual Settings	
EDMS 4102	Pedagogical Foundations for Teaching English Learners	3
EDMS 4103	Creating Supportive and Engaging Learning Environments	2
EDMS 5104	Mathematics Teaching and Learning	3
EDMS 5105	Science Teaching and Learning	3
EMAT 5100	Technology and Instructional Practices for Educators	1
EDMS 5106A	Social Studies and the Arts Teaching and Learning	3
or EDMS 5106B	Social Studies and the Arts Teaching and Learning in Bilingual Settings	
EMAT 5101	Education, Diversity and Social Justice	3
EDMS 4110	Assessment Seminar: CalTPA Cycle 1	2
EDMS 4111	Assessment Seminar: CalTPA Cycle 2	2
Total Units		28

Additional Course Requirement for Multiple Subject Credential & Multiple Subject Credential with Bilingual Added Authorization.

In addition to completing the above core courses, students in Concentration 1 (Multiple Subject Credential) and Concentration 3 (Bilingual Added Authorization) complete the following supervision classes. Students in the Bilingual Added Authorization concentration are placed in dual language classrooms.

EDMS 4107A	Supervised Student Teaching in Multiple Subject I	3
EDMS 4107B	Supervised Student Teaching in Multiple Subject II	3
Total Units		6

Additional Course Requirement for Multiple Subject Intern Credential Concentration

In addition to completing the basic courses listed above Interns must complete the following three Supervised Intern Teaching Experiences and the Internship Seminar. Students in the Bilingual Added Authorization concentration are placed in dual language classrooms.

EDMS 4108A	Supervised Intern Teaching in Multiple Subject I	3
EDMS 4108B	Supervised Intern Teaching in Multiple Subject II	3
EDMS 4109	Internship Seminar for Multiple Subject	3
Total Units		9

Additional Requirements for the Preliminary Credential

Students must successfully complete:

- One of the following to fulfill the United States Constitution requirement (or successful completion of an examination administered through the College of Extended Learning):

HIST 1460	History of the United States: Pre-Colonization to Present	3
HIST 2000	United States History to 1877	3
HIST 5400	Constitutional History of the United States	3
PSCI 4100	American Constitutional Law	3
PSCI 2030	Government of the United States	3
HIST 1460H	Honors History of the United States: Pre-Colonization to Present	3
PSCI 4110	The Bill of Rights	3
PSCI 2030H	Government of the United States--Honors	3
- The Reading Instruction Competence Assessment (RICA) exam with a passing score;
- The teacher performance assessment (CalTPA) with a passing score.

Upon successfully completing the program and the above additional requirements, candidates are eligible to apply for the preliminary credential.

Requirements for the Professional Clear Credential may be obtained from the employing school district.

Note: Students must consult the current information sheet for this credential in the Teacher Education Office, CE-102. In addition, students

may be eligible for SB 57 Early Completion Internship Option. See information in the Teacher Education Office.

Preliminary Education Specialist Credential: Early Childhood Special Education with EL Authorization

Basic Teaching Credentials

The CSU prepares teachers for positions in California as well as other states. It is in the student's best interest to be knowledgeable about credential or licensure requirements of the state in which they intend to teach.

The Preliminary Education Specialist Program is accredited by the Commission on Teacher Credentialing (CTC). According to the CTC, candidates completing the Preliminary Education Specialist credential in Early Childhood Special Education are authorized to conduct assessments, provide instruction, and special education related services to children from birth to pre-kindergarten, with a primary disability of specific learning disability, mild/moderate mental retardation, traumatic brain injury, other health impairment, autism spectrum disorders, moderate/severe mental retardation, deaf-blindness, serious emotional disturbance, and multiple disabilities. The program also meets state standards authorizing instruction to English learners to develop English language skills including reading.

Admission to the Program

Applicants must apply to CSUSB via CSUApply in addition to submitting a complete Program Admission File (PAF) to be considered for admission to the Preliminary Education Specialist Credential Program in Early Childhood Special Education. Applicants must meet BOTH the general requirements of the university for postbaccalaureate admission and the program requirements in order to be admitted to the university and classified as a credential candidate. In preparation for admission to the basic credential program, applicants must review the Special Education Credential Program Admission Booklet which can be downloaded at: CSU Special Education Programs website (http://www.csusb.edu/coe/programs/special_ed/) and attend a mandatory Information Session scheduled through Teacher Education in the College of Education Student Services at either the San Bernardino or Palm Desert campus. At this session, applicants will receive instructions for completing their PAF. Applicants must submit a PAF to the admissions desk in the College of Education Student Services according to the deadlines published for the semester of admission. Admission to the program is based on the following requirements included in the PAF:

1. Completion of an application form;
2. Original written verification of passing score on the California Basic Educational Skills Test (CBEST);
3. Two written recommendations by persons who can address scholastic performance and suitability for teaching (recommendation forms are available in the Special Education Credential Program Admission Booklet);
4. A written personal narrative to be reviewed and approved by the Special Education Program Coordinator;

5. Verification of a negative tuberculin examination within the last four years;
 6. Academic achievement, verified through official transcripts from ALL institutions of higher education attended. Applicants must possess a minimum undergraduate grade point average of at least 2.67 in all baccalaureate and postbaccalaureate course work or at least 2.75 in the last 60 semester or 90 quarter units attempted;
 7. Documentation of 45 hours of experience in Early Childhood and special education settings;
 8. Submission of an application for a certificate of clearance or evidence of a credential or permit authorizing public school teaching in California;
 9. Verification of attendance at a Special Education Information Session;
 10. Satisfactory completion of prerequisite courses with a grade of "B" or better (**6 units**):
- | | | |
|-----------|---|---|
| ESPE 5530 | Introduction to Special Education | 3 |
| ESPE 5531 | Methods and Procedures in Special Education | 3 |

Upon admission to the university and the Preliminary Education Specialist Credential Program, all candidates must participate in the mandatory New Student Orientation. At this session, candidates will receive a program handbook and will be advised on completing an approved Coursework Plan.

Admission to Supervised Student Teaching

One semester in advance of the time candidates intend to enroll in supervised student teaching (ESPE 6619), they must submit an application for supervision. This application is due by Friday of the third week of the semester prior to enrolling in supervised student teaching (no applications are accepted in the summer).

Admission to supervised student teaching is based on the following criteria and conditions:

1. Completion of an application form (<http://www.surveymzmo.com/s3/1678079/SPED-Student-Teaching-Fieldwork-Application-Placement-Request/>) submitted online;
2. Verification of an approved Coursework Plan including documentation of approved course substitutions;
3. Verification of complete PAF with official written verification that the applicant has passed the California Basic Educational Skills Test (CBEST);
4. Satisfactory completion of program prerequisites and credential coursework (ESPE 6609, ESPE 6610, ESPE 6611, ESPE 6612, ESPE 6615, ESPE 6616, and ESPE 5514) with a grade point average of 3.0 ("B") and no course grade lower than "B-";
5. Verification of a negative tuberculin examination within the last four years.

All coursework taken at another college and substituted for credential program requirements is subject to approval by the coordinator of the Special Education Program. Student teaching is never transferable.

Student teaching for the credential is a full-time assignment for one semester of ESPE 6619 (concurrent with no more than two required credential courses). No concurrent course work should be taken beyond the required Preliminary Education Specialist credential courses in Early Childhood Special Education without permission of the program

coordinator. Students who fail to complete any required credential program coursework will be dismissed from the program.

Recommendation for the Credential

In addition to the program admission requirements and successful completion of required credential coursework and student teaching, the candidate must successfully complete the following requirements in order to be recommended for the Preliminary Education Specialist Credential in Early Childhood Special Education:

1. Completion of the upper-division writing requirement by ONE of the following:
 - a. Completion, with a grade of "B" (3.0) or better, in an expository writing course taken at this university;
 - b. Completion, with a grade of "B" (3.0) or better, of an equivalent advanced expository writing course at another college or university;
 - c. Satisfactory completion of the Writing Requirement Exemption Examination (WREE) offered at this university;
 - d. A passing score on the written portion of the CBEST.
Note: CBEST exam does not meet the graduate writing requirement for the Master of Science degree;
2. Completion of the U.S. Constitution requirement by one of the following:
 - Approved U.S. Constitution Course completed at CSUSB
 - Successful completion of an examination administered through the College of Extended Learning;
 - Approved U.S. Constitution course substitution from another university;
3. Verification of passing status and scores on the California Basic Educational Skills Test (CBEST);
4. A grade point average of 3.0 ("B") in professional education course work, with no course grade lower than "B-;" no candidate may be recommended for the credential who has received a grade lower than "B-" in professional education course work including prerequisites; in the case of a repeated class, only the highest grade the student has received will be considered for the purpose of this requirement.

Credential Requirements (32 units)

Completion of the following courses with a grade point average of 3.0 or better with no grade lower than a "B-:"

ESPE 5514	Language Development in Diverse Learners	3
ESPE 6609	Practicum: Educating Students with Autism Spectrum Disorder	1
ESPE 6610	Educating Students with Autism Spectrum Disorders	3
ESPE 6611	Assessment and Evaluation for Planning and Instruction	3
ESPE 6612	Creating Supportive Learning Environments for Students with Disabilities	3
ESPE 6615	Seminar on Language and Literacy in Early Childhood Special Education	3
ESPE 6616	Practicum: Seminar on Language and Literacy in Early Childhood Education	1
ESPE 6625	Collaboration and Consultation in Special Education	3

ESPE 6672	Birth to Age Three Methods in Early Childhood Special Education	3
ESPE 6673	Preschool through Kindergarten Methods in Early Childhood Special Education	3
ESPE 6619	Supervised Student Teaching in Special Education: Early Childhood Special Education	6
Total Units		32

Preliminary Education Specialist Credential: Mild/Moderate Disabilities with EL Authorization

Basic Teaching Credentials

The CSU prepares teachers for positions in California as well as other states. It is in the student's best interest to be knowledgeable about credential or licensure requirements of the state in which they intend to teach.

The Preliminary Education Specialist Program is accredited by the Commission on Teacher Credentialing (CTC). According to the CTC, candidates completing the Preliminary Education Specialist credential in Mild to Moderate Disabilities are authorized to conduct assessments, provide instruction, and special education related services to individuals with a primary disability of specific learning disabilities, mild to moderate mental retardation, other health impairment, emotional disturbance, and autism spectrum disorders in kindergarten, grades 1 through 12, and classes organized for adults. The program also meets state standards authorizing instruction to English learners to develop English language skills including reading.

Admission to the Program

Applicants must apply to CSUSB Graduate Admissions in addition to submitting a complete Program Admission File (PAF) to be considered for admission to the Preliminary Education Specialist Credential Program in Mild/Moderate Disabilities. Applicants must meet BOTH the general requirements of the university for postbaccalaureate admission and the program requirements in order to be admitted to the university and classified as a credential candidate. In preparation for admission to the basic credential program, applicants must review the Special Education Credential Program Admission Booklet which can be downloaded from the Special Education Program web pages on the CSUSB website at: CSU Special Education Programs website (http://www.csusb.edu/coe/programs/special_ed/) and attend a mandatory Information Session scheduled through Teacher Education in the College of Education Student Services at either the San Bernardino or Palm Desert campus. At this session, applicants will receive instructions for completing their PAF. Applicants must submit a PAF to the Admissions staff in the College of Education Student Services according to the deadlines published for the semester of admission. Admission to the program is based on the following requirements included in the PAF:

1. Completion of an application form;
2. Original written verification of passing score on the California Basic Educational Skills Test (CBEST);
3. Original written verification of a passing score on the CSET examination or appropriate subject matter competency;
4. Two written recommendations by persons who can address scholastic performance and suitability for teaching (recommendation forms are available in the Special Education Credential Program Admission Booklet);

5. A written personal narrative to be reviewed and approved by the Special Education Program Coordinator;
 6. Verification of a negative tuberculin examination within the last four years;
 7. Academic achievement, verified through official transcripts from ALL institutions of higher education attended. Applicants must possess a minimum undergraduate grade point average of at least 2.67 in all baccalaureate and postbaccalaureate course work or at least 2.75 in the last 60 semester or 90 quarter units attempted;
 8. Documentation of 45 hours of experience in K-12 classrooms;
 9. Submission of an application for a certificate of clearance or evidence of a credential or permit authorizing public school teaching in California;
 10. Verification of attendance at a Special Education Information Session;
 11. Satisfactory completion of prerequisite courses with a grade of "B" or better (**6 units**):
- | | | |
|-----------|---|---|
| ESPE 5530 | Introduction to Special Education | 3 |
| ESPE 5531 | Methods and Procedures in Special Education | 3 |

Upon admission to the university and the Preliminary Education Specialist Credential Program, all candidates must participate in the mandatory New Student Orientation. At this session, candidates will receive a program handbook and will be advised on completing an approved Coursework Plan.

Admission to Supervised Student Teaching

One semester in advance of the time candidates intend to enroll in supervised student teaching (ESPE 6620), they must submit an application for supervision. This application is due by Friday of the third week of the semester prior to enrolling in supervised student teaching (no applications are accepted in the summer).

Admission to supervised student teaching is based on the following criteria and conditions:

1. Completion of an application form (<http://www.surveygizmo.com/s3/1678079/SPED-Student-Teaching-Fieldwork-Application-Placement-Request/>) submitted online;
2. Verification of an approved Coursework Plan including documentation of approved course substitutions;
3. Verification of complete PAF with official written verification that the applicant has passed the California Basic Educational Skills Test (CBEST) and subject matter competency;
4. Satisfactory completion of program prerequisites and credential coursework (ESPE 6609, ESPE 6610, ESPE 6611, ESPE 6612, ESPE 6613, ESPE 6614, and ESPE 5514) with a grade point average of 3.0 ("B") and no course grade lower than "B-";
5. Verification of a negative tuberculin examination within the last four years.

All coursework taken at another college and substituted for credential program requirements is subject to approval by the coordinator of the Special Education Program. Student teaching is never transferable.

Student teaching for the credential is a full-time assignment for one semester of ESPE 6620 (concurrent with no more than two required credential courses). No concurrent course work should be taken beyond the required Preliminary Education Specialist credential courses in mild/moderate disabilities without permission of the program coordinator.

Students who fail to complete any required credential program coursework will be denied continuation in the program.

Recommendation for the Credential

In addition to the program admission requirements and successful completion of required credential coursework and student teaching, the candidate must successfully complete the following requirements in order to be recommended for the Preliminary Education Specialist Credential in Mild/Moderate Disabilities:

1. Completion of the upper-division writing requirement by one of the following:
 - a. Completion, with a grade of "B" (3.0) or better, in an expository writing course taken at this university;
 - b. Completion, with a grade of "B" (3.0) or better, of an equivalent advanced expository writing course at another college or university;
 - c. Satisfactory completion of the Writing Requirement Exemption Examination (WREE) offered at this university;
 - d. A passing score on the written portion of the CBEST;

Note: CBEST exam does not meet the graduate writing requirement for the Master of Science degree;
2. Completion of the U.S. Constitution requirement by one of the following:
 - Approved U.S. Constitution course successfully completed at CSUSB
 - Successful completion of an examination administered through the College of Extended Learning;
 - Approved U.S. Constitution course substitution from another university;
3. Verification of passing status and scores on the California Basic Educational Skills Test (CBEST);
4. Verification of a passing score on the RICA (Reading Instruction Competence Assessment);

Note: Holders of a valid California teaching credential based on a baccalaureate degree and completion of a teacher education program including student teaching, will be exempt from RICA. Call the Credentials Office, (909) 537-5609, for further information.
5. A grade point average of 3.0 ("B") in professional education course work, with no course grade lower than "B-;" no candidate may be recommended for the credential who has received a grade lower than "B-" in professional education course work including prerequisites; in the case of a repeated class, only the highest grade the student has received will be considered for the purpose of this requirement.

ESPE 6613	Seminar in Literacy Learning for K-12 Students with Disabilities	3
ESPE 6614	Practicum: Seminar in Literacy Learning for K-12 Students with Disabilities	1
ESPE 6625	Collaboration and Consultation in Special Education	3
ESPE 6642	Methods in Mild/Moderate Disabilities I	3
ESPE 6643	Methods in Mild/Moderate Disabilities II	3
ESPE 6620	Supervised Student Teaching in Special Education: Mild/Moderate Disabilities	6
Total Units		32

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Credential Requirements (32 units)

Completion of the following courses with a grade point average of 3.0 or better with no grade lower than a "B-:"

ESPE 5514	Language Development in Diverse Learners	3
ESPE 6609	Practicum: Educating Students with Autism Spectrum Disorder	1
ESPE 6610	Educating Students with Autism Spectrum Disorders	3
ESPE 6611	Assessment and Evaluation for Planning and Instruction	3
ESPE 6612	Creating Supportive Learning Environments for Students with Disabilities	3

Preliminary Education Specialist Credential: Moderate/Severe Disabilities with EL Authorization

Basic Teaching Credentials

The CSU prepares teachers for positions in California as well as other states. It is in the student's best interest to be knowledgeable about credential or licensure requirements of the state in which they intend to teach.

The Preliminary Education Specialist credential program is accredited by the Commission on Teacher Credentialing (CTC). According to the CTC, candidates completing the Preliminary Education Specialist credential in Moderate/Severe Disabilities are authorized to conduct assessments, provide instruction, and special education related services to individuals with a primary disability of autism, moderate/severe/profound mental retardation, deaf-blind, emotional disturbance, and multiple disabilities in kindergarten, grades 1 through 12 to age 22, and classes organized for adults. The program also meets state standards authorizing instruction to English learners to develop English language skills including reading.

Admission to the Program

Applicants must apply to CSUSB via CSUApply in addition to submitting a complete Program Admission File (PAF) to be considered for admission to the Preliminary Education Specialist Credential Program in Moderate/Severe Disabilities. Applicants must meet BOTH the general requirements of the University for Postbaccalaureate Admission and the credential program requirements in order to be admitted to the university and classified as a credential candidate. In preparation for admission to the basic credential program, applicants must review the Special Education Credential Program Admission Booklet which can be downloaded from the Special Education Program web pages on the CSUSB website at: CSU Special Education Program website (http://www.csusb.edu/coe/programs/special_ed/) and attend a mandatory Information Session scheduled through the College of Education Student Services at either the San Bernardino or Palm Desert campus. At this session, applicants will receive instructions for completing their PAF. Applicants must submit a PAF to the Admissions staff in the College of Education Student Services according to the deadlines published for the semester of admission. Admission to the program is based on the following requirements included in the PAF:

1. Completion of an application form;
2. Original written verification of passing score on the California Basic Educational Skills Test (CBEST);
3. Original written verification of a passing score on the CSET examination or appropriate subject matter competency;
4. Two written recommendations by persons who can address scholastic performance and suitability for teaching (recommendation forms are available in the Special Education Credential Program Admission Booklet);

5. A written personal narrative to be reviewed and approved by the Special Education Program Coordinator;
 6. Verification of a negative tuberculin examination within the last four years;
 7. Academic achievement, verified through official transcripts from ALL institutions of higher education attended; applicants must possess a minimum undergraduate grade point average of at least 2.67 in all baccalaureate and postbaccalaureate course work or at least 2.75 in the last 60 semester or 90 quarter units attempted;
 8. Documentation of 45 hours of experience in K-12 classrooms;
 9. Submission of an application for a certificate of clearance or evidence of a credential or permit authorizing public school teaching in California;
 10. Verification of attendance at a Special Education Information Session;
 11. Satisfactory completion of prerequisite courses with a grade of "B" or better (**6 units**):
- | | | |
|-----------|---|---|
| ESPE 5530 | Introduction to Special Education | 3 |
| ESPE 5531 | Methods and Procedures in Special Education | 3 |

Upon admission to the university and the Preliminary Education Specialist Credential Program, all candidates must complete the mandatory New Student Orientation. At this session, candidates will receive a program handbook and will be advised on completing an approved Coursework Plan.

Admission to Supervised Student Teaching

One semester in advance of the time candidates intend to enroll in supervised student teaching (ESPE 6621), they must submit an application for supervision (<http://www.surveygizmo.com/s3/1678079/SPED-Student-Teaching-Fieldwork-Application-Placement-Request/>). This application is due by Friday of the third week of the semester prior to enrolling in supervised student teaching (no applications are accepted in the summer).

Admission to supervised student teaching is based on the following criteria and conditions:

1. Completion of an application form submitted online via the Special Education program webpage (<http://www.surveygizmo.com/s3/1678079/SPED-Student-Teaching-Fieldwork-Application-Placement-Request/>);
2. Verification of an approved Coursework Plan including documentation of approved course substitutions;
3. Verification of complete PAF with official written verification that the applicant has passed the California Basic Educational Skills Test (CBEST) and subject matter competency;
4. Satisfactory completion of program prerequisites and credential coursework (ESPE 6609, ESPE 6610, ESPE 6611, ESPE 6612, ESPE 6613, ESPE 6614, and ESPE 5514) with a grade point average of 3.0 ("B") and no course grade lower than "B-;"
5. Verification of a negative tuberculin examination within the last four years.

All coursework taken at another college and substituted for credential program requirements is subject to approval by the coordinator of the Special Education Program. Student teaching is never transferable.

Student teaching for the credential is a full-time assignment for one semester of ESPE 6621 (concurrent with no more than two required

credential courses). No concurrent course work should be taken beyond the required Preliminary Education Specialist credential courses in Moderate/Severe Disabilities without permission of the program coordinator. Students who fail to complete any required credential program coursework or will be denied continuation in the program.

Recommendation for the Credential

In addition to the program admission requirements and successful completion of required credential coursework and student teaching, the candidate must successfully complete the following requirements in order to be recommended for the Preliminary Education Specialist Credential in Moderate/Severe Disabilities:

1. Completion of the upper-division writing requirement by one of the following:
 - a. Completion, with a grade of "B" (3.0) or better, in an expository writing course (306) taken at this university;
 - b. Completion, with a grade of "B" (3.0) or better, of an equivalent advanced expository writing course at another college or university;
 - c. Satisfactory completion of the Writing Requirement Exemption Examination (WREE) offered at this university;
 - d. A passing score on the written portion of the CBEST;

Note: CBEST exam does not meet the graduate writing requirement for the Master of Science degree;
2. Completion of the U.S. Constitution requirement by one of the following:
 - Approved U.S. Constitution course successfully completed at CSUSB
 - Successful completion of an examination administered through the College of Extended Learning;
 - Approved U.S. Constitution course substitution from another university;
3. Verification of passing status and scores on the California Basic Educational Skills Test (CBEST);
4. Verification of a passing score on the RICA (Reading Instruction Competence Assessment);

Note: Holders of a valid California teaching credential based on a baccalaureate degree and completion of a teacher education program including student teaching, will be exempt from RICA. Call the Credentials Office, (909) 537-5609, for further information.
5. A grade point average of 3.0 ("B") in professional education course work, with no course grade lower than "B-;" no candidate may be recommended for the credential who has received a grade lower than "B-" in professional education course work including prerequisites; in the case of a repeated class, only the highest grade the student has received will be considered for the purpose of this requirement.

ESPE 6611	Assessment and Evaluation for Planning and Instruction	3
ESPE 6612	Creating Supportive Learning Environments for Students with Disabilities	3
ESPE 6613	Seminar in Literacy Learning for K-12 Students with Disabilities	3
ESPE 6614	Practicum: Seminar in Literacy Learning for K-12 Students with Disabilities	1
ESPE 6625	Collaboration and Consultation in Special Education	3
ESPE 6662	Methods for Students with Moderate/Severe Disabilities I	3
ESPE 6663	Methods for Students with Moderate/Severe Disabilities II	3
ESPE 6621	Supervised Student Teaching in Special Education: Moderate/Severe Disabilities	6
Total Units		32

Credential Requirements (32 units)

Completion of the following courses with a grade point average of 3.0 or better with no grade lower than a "B-":

ESPE 5514	Language Development in Diverse Learners	3
ESPE 6609	Practicum: Educating Students with Autism Spectrum Disorder	1
ESPE 6610	Educating Students with Autism Spectrum Disorders	3

Pupil Personnel Services Credential: School Counseling

The program for the Pupil Personnel Services Credential in School Counseling is designed to fulfill all the requirements for the State of California to counsel in grades K-12. This 51 semester unit stand alone credential program is designed for students who do not wish to enroll in the M.S. in Counseling program, or for students who hold a previous masters degree in a related field.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to classified graduate status are:

1. Attend a Counseling Program information meeting (meeting schedule can be found on the program's website);
2. Submission of an Admissions Portfolio following criteria and guidelines provided at the orientation meeting. Portfolios will be evaluated according to the Counseling Program portfolio rubric. Students will be notified as to the status of their application to enroll in COUN 6220. A completed portfolio contains:
 - a. Admission to CSUSB graduate studies;
 - b. Application and current vita/resume;
 - c. Transcripts of all higher education coursework;
 - d. GPA of 3.0 or higher from all previous undergraduate/graduate work
 - e. Written Personal Statement;
 - f. Three positive recommendations from persons having knowledge of applicant's counseling potential (forms provided by program);
 - g. Evidence of current negative TB test;
 - h. Evidence of CTC clearance or possession of a valid California teaching credential;
 - i. Upon completion of the above requirements, the student's file will be reviewed by an admission committee composed of at least three members of the Counseling faculty. Students will be notified about the result of their application and invited to enroll in COUN 6220
3. Completion of COUN 6220 with a grade of "B" (3.0) or better.
4. Students who do not meet admissions criteria will be notified of their deficiencies.

Recommendation for the Credential

In order to be recommended for a credential, the student must have:

1. A minimum of 51 semester units of graduate-level work, with a minimum of 21 units completed in residency at this university;
2. A grade point average of "B" (3.0) in the course work taken to satisfy the credentialing requirements, including a minimum grade of "B" in COUN 6220 & COUN 6224 , and no grade below a "C" (2.0) or better in all other courses in the program;
3. Completion of a credential program plan of study, certified by a program advisor and the credentialing office of the university;
4. Proof of passing the CBEST exam.

Credential requirements (51 units)

COUN 6220	Introduction to Counseling	3
COUN 6221	Introduction to Research & Evaluation	3
COUN 6222	Law & Ethics in Counseling	3
COUN 6223	Learning Theories	3
COUN 6224	Advanced Counseling	3
COUN 6225	Systems Consultation	3
COUN 6227	Counseling Theories	3
COUN 6229	Socio-Cultural Counseling	3
COUN 6230	Human Development in Counseling	3
COUN 6231	Group Counseling	3
COUN 6232	Career Counseling	3
COUN 6233	Practice Based Placement (Can be taken for up to 3 times for a total of 9 units)	9
COUN 6237	Appraisal	3
COUN 6239	Family Counseling	3
COUN 6240	Professional School Counseling	3
Total Units		51

Pupil Personnel Services Credential: School Psychology

The School Psychology program at California State University, San Bernardino provides professional preparation for the Pupil Personnel Services Credential with Specialization in School Psychology. This program is designed to meet the requirements for the Pupil Personnel Services Credential in School Psychology (PPS) established by the California Commission on Teacher Credentialing (CCTC).

The School Psychologist Credential program is 63 semester units of training. Equivalent coursework will be evaluated to determine appropriate substitutions for program coursework requirements. Included in this sequence are 1200 hours of supervised fieldwork/internship in a school setting (K-12). Students must have evidence of completing 450 clock hours of practica prior to beginning 1200 hours of supervised fieldwork/internship.

Admission to the Program

In addition to the general requirements of the university, specific requirements for admission to the PPS in School Psychology are:

1. Admission and acceptance to CSU, San Bernardino;
2. Current sealed transcript which verifies an M.A., M.S. or Ph.D. in Counseling or a related field;
3. Application and personal statement;
4. Two reference forms and letters of recommendation from persons having knowledge of the applicant's potential as a school psychologist, sent independently to the program coordinator;
5. Proof of passing the California Basic Educational Skills Test (CBEST);
6. Evidence of possession of a valid California teaching credential, PPS in School Counseling, or a Certificate of Clearance for eligibility to participate in fieldwork;
7. Evidence of current negative TB test.

Credential Requirements (63 units)

EDSP 6607	Research in School Psychology	3
EDSP 6619	Tests and Measurements in School Psychology	3
EDSP 6620	Introduction to School Psychology Practicum	3
EDSP 6633	Advanced Child Development	3
EDSP 6656	Counseling Theories	3
EDSP 6658	Consultation in School Systems for School Psychologists	3
EDSP 6678	Counseling in the School and Community	3
EDSP 6681	Counseling Practicum	3
EDSP 6685	School Psychology Practicum I	3
EDSP 6686	School Psychology Practicum II	3
EDSP 6687	School Psychologists as Change Agents: Theory and Practice	3
EDSP 6632	Psychological Foundations of Education and Learning Theory	3
EDSP 6647	Individual Testing and Case Study Techniques	3

EDSP 6648	Ecological Assessment and Case Study Techniques	3
EDSP 6660	Child Psychopathology	3
EDSP 6688	Behavioral Assessment and Intervention	3
EDSP 6691	Applied Research in Educational Settings	3
EDSP 6756	Seminar/Internship in School Psychology (repeat twice for a total of 12 units)	12
Total Units		63

Recommendation for the Credential

In order to be recommended for a credential, a student must have:

1. Completed all prescribed coursework with a GPA of "B" (3.0) or better;
2. Completed all requirements for the 1200-hour internship including the specific competencies in the program as mandated by the California Commission for Teacher Credentialing.

Single Subject - Intern Track Credential

Admission to the university must precede admission to the credential program. This is a three-semester program for full-time students. Part-time students can complete the program in two years or more.

Admission to the Program and Student Teaching

In addition to the general admission requirements for the university, students must meet the following requirements prior to enrolling in the student teaching track:

1. Successfully complete the California Basic Educational Skills Test (CBEST);
2. Demonstrate Subject Matter Competency (SMC) in the content area they plan to teach. Subject Matter Competency can be demonstrated by having a degree from a California Commission on Teacher Credentialing (CCTC) waiver program or passing (if necessary) the appropriate CSET examination as early as possible in order to be able to provide verification of passing scores with their application for admission to the program.
3. Successfully complete the U. S. Constitution requirement, CPR examination and be employed in a district that has an internship contract with the Division of Teacher Education.

Admission to the Program

Interns must turn in a Program Application File (PAF) with all the information to the Credentials Office, CE-102. Candidates will not be considered until all the following information is provided:

1. Two letters from faculty members in the student's major department and at least one from a principal or teacher who can attest to the applicant's teaching skills in classroom settings;
2. Meeting with education advisor and signed advising form or attend a program advisory meeting to determine requirements of the program;
3. Verification of a negative tuberculin examination within the last 24 months;
4. Academic Achievement
 - a. Applicants must possess the following minimum grade point averages:
 - i. A grade point average of 2.67 in all baccalaureate and postbaccalaureate course work or at least 2.75 in the last 90 quarter units attempted;
 - ii. A grade point average of 3.0 ("B") in professional education course work with no course grade in this area lower than "B-." Students can only discount one grade in the program courses. They can repeat a total of two courses in the program;
 - b. Written verification of CCTC waiver program or passing the California Subject Examinations for Teachers (CSET), and/or the Single Subject Assessment for Teaching (SSAT) in the content area in which the candidate is planning to teach.
5. Completion of one of the following approved subject matter preparation programs within one of these majors at this university. Note: A list of the required grade point averages for each subject matter area is available from the Credentials Office and the Teacher Education Office.

Single Subject Credential	Degree Major
Art	B.A. Art (Plan I)
English	B.A. English
Foreign Language	B.A. Spanish or B.A. French
Health Science	B.S. Health Sciences
Foundational Mathematics/ Mathematics	B.A. Mathematics B.S. Mathematics
Music	B.A. Music (Music Education)
Physical Education	B.S. Kinesiology
Sciences	B.A. in the Sciences B.S. in the Sciences
Social Science	B.A. Social Sciences

For further information on other majors, supplementary authorizations, examinations and waivers, students should contact the Teacher Education Office and/or the appropriate major department.

OR

Completion of the CSET (California Subject Examination for Teachers) and/or the Single Subject Assessment for Teaching (SSAT) in the specialty teaching area the student is planning to teach;

6. Submit passage of the U.S. Constitution requirement and the CPR examination;
7. Completion of the upper-division writing requirement at the university or the equivalent graduation requirement at another accredited institution, or a score of 41 or better on the written portion of the CBEST; (CBEST examination does not meet the graduate entrance writing requirement for the Master of Arts degree.)
8. Submission of evidence that the applicant has passed the California Basic Educational Skills Test (CBEST);
9. Interns must be employed in a school district or school site that has an internship contract with the College of Education;
10. In addition, the following criteria are used: professional aptitude, personality and character, oral and written language usage, and interest in multicultural education.

All course work taken at another institution, or more than seven years ago, is subject to approval by the director of the Single Subject Program. No more than 14 quarter units of the credential program may be transferred. Student teaching or internship teaching is never transferable. Students transferring units from another institution may be required to take HSCI 1000 and ESPE 3350.

Each applicant is reviewed in terms of all of the above criteria. In addition, internship teaching for the preliminary credential is a full-time assignment for five quarters that only begins in the fall, winter or spring quarters. No concurrent course work should be taken beyond the required program courses without permission from the program coordinator.

Credential Requirements (32 units)

Foundational Single Subject Coursework

ESEC 6001	Classroom Management & Pedagogy	3
ESEC 6002	Educational Equity and Advocacy	3
ESEC 6003	Pedagogical Foundations for English Language Learners in Secondary Classrooms	3
ESEC 6004	Adolescent Development and Educational Theory	3
ESEC 6005	Literacy Across the Content Areas	3
Choose One of the Following Single Subject Methods Courses		3

ESEC 6011	Methods of Teaching in the Content Areas: English	
ESEC 6012	Methods of Teaching in the Content Areas: World Language	
ESEC 6013	Methods of Teaching in the Content Areas: Mathematics	
ESEC 6014	Methods of Teaching in the Content Areas: Music	
ESEC 6015	Methods of Teaching in the Content Areas: Physical Education	
ESEC 6016	Methods of Teaching in the Content Areas: Science	
ESEC 6017	Methods of Teaching in the Content Areas: Social Science	
Supervised Intern Teaching		
ESEC 6071	Intern Supervision I	3
ESEC 6055	Internship Seminar I	2
ESEC 6072	Intern Supervision II	3
ESEC 6056	Internship Seminar II	2
Teacher Performance Assessments		
ESEC 6030	Teaching Performance Assessment Supervised Study I	1
ESEC 6031	Teaching Performance Assessment Seminar I	1
ESEC 6032	Teaching Performance Assessment Supervised Study II	1
ESEC 6033	Teaching Performance Assessment Seminar II	1
Total Units		32

Applications for intern candidacy must be submitted in the quarter prior to the commencement of the internship. It is the responsibility of the intern candidate to obtain employment. The university provides the names of school districts that have intern contracts. Applicants who are accepted to intern candidacy, but who do not find a position, are qualified for regular student teaching.

Additional Requirements

Passage of the California Teacher Performance Assessment Tasks 1 and 2 is required.

Upon completing the requirements for the internship program, candidates may apply for a preliminary credential. Within two years candidates must complete an induction program in the district in which they are employed to meet additional CCTC requirements to obtain a professional clear credential.

Note: Pending state legislation may require curricular changes. Students must consult the current information sheet for this credential in the Teacher Education Office, CE-102. In addition, students may be eligible for SB 57 Early Completion Internship Option. See information in the Teacher Education Office.

Single Subject - Student Teaching Track Credential

The Single Subject Credential program is designed for post-baccalaureate students who will take courses to prepare them to receive a Single Subject Teaching Credential. All courses and experiences are created under the guidelines as recommended by the Credential of Teaching Commission (CTC).

Admission to the university must precede admission to the credential program. This is a three-semester program for full-time students. Part-time students can complete the program in two years or more.

Admission to the Program and Student Teaching

In addition to the general requirements for the University, students must meet specific requirements for admission prior to enrolling in the program:

1. Successfully complete the California Basic Educational Skills Test (CBEST);
2. Demonstrate Subject Matter Competency (SMC) in the content area they plan to teach. Subject Matter Competency can be demonstrated by having a degree from a California Commission on Teacher Credentialing (CCTC) waiver program or passing (if necessary) the appropriate CSET and/or Single Subject Assessment for Teaching (SSAT) examination as early as possible to be able to provide verification of passing scores with their application for admission to the program;
3. Complete the Program Application File (PAF) and submit it to the Credentials Office, CE-102;
4. You must complete the online University Application to be admitted as a Graduate Student. You will need to submit transcripts from each institution attended (with the exception of California State University, San Bernardino) to Graduate Admissions by the deadline.
5. Two Letters of Recommendation – These letters must be completed on our Letter of Recommendation forms. Please obtain these letters from someone who is able to address your scholastic performance and suitability for teaching (a family member cannot complete these letters);
6. Advising Form – You will need to either attend an information session or schedule an appointment with a Single Subject Advisor to obtain this form and submit with your Program Admissions File;
7. Verification of Negative TB Test Results – Submit a copy, must include the following: Your name, agency where TB test was administered and read, signature from authorized personnel, date the TB test was read and that you have no presence of TB. Results are valid for four years;
8. Verification of Certificate of Clearance – You must complete the Request for Livescan Service (41-LS) with a Transmitting Agency, then you will need to follow up with the Commission on Teacher Credentialing by submitting an application for your Certificate of Clearance;
9. Academic Achievement
 - a. Applicants must possess the following minimum grade point averages:

- i. A grade point average of 2.67 in all baccalaureate and post-baccalaureate course work or at least 2.75 in the last 90 quarter units attempted.
- ii. A grade point average of 3.0 ("B") in professional education coursework with no course grade in this area lower than "B-." Students can only discount one grade in the program courses. They can only repeat a total of two courses in the program.

- b. Completion of one of the following approved subject matter preparation programs or these majors at this university:

Single Subject Credential	Degree Major
Art	B.A. Art (Plan I)
English	B.A. English
Foreign Language	B.A. Spanish or B.A. French
Foundational Mathematics	B.A. Mathematics
Mathematics	B.S. Mathematics
Music	B.A. Music (Music Education)
Physical Education	B.S. Kinesiology

For further information on other majors, supplementary authorizations, examinations and waivers, students should contact the College of Education Student Services Office and/or the appropriate major department.

10. All course work taken at another institution, or more than seven years ago, is subject to approval by the director of the Single Subject Program. No more than 14 semester units of the credential program may be transferred. Student teaching is never transferable. Students transferring units from another institution may be required to take HSCI 1000 and ESPE 3350.
11. Must complete an admission interview with Single Subject faculty to determine program fit.

Each applicant must complete SMC and have a B.A. degree in the content area they are planning to teach before student teaching and associated courses.

Credential Requirements (28 units)

Once admission to the program has been granted and program requirements have been successfully completed, students may enroll in the following courses. Students must successfully complete all the courses in each semester before enrolling in subsequent semesters.

Foundational Single Subject Coursework		
ESEC 6001	Classroom Management & Pedagogy	3
ESEC 6002	Educational Equity and Advocacy	3
ESEC 6003	Pedagogical Foundations for English Language Learners in Secondary Classrooms	3
ESEC 6004	Adolescent Development and Educational Theory	3
ESEC 6005	Literacy Across the Content Areas	3
Choose One of the Following Single Subject Methods Courses		
ESEC 6010	Methods of Teaching in the Content Areas: Art	3
ESEC 6011	Methods of Teaching in the Content Areas: English	3
ESEC 6012	Methods of Teaching in the Content Areas: World Language	3
ESEC 6013	Methods of Teaching in the Content Areas: Mathematics	3
ESEC 6014	Methods of Teaching in the Content Areas: Music	3

ESEC 6015	Methods of Teaching in the Content Areas: Physical Education	
ESEC 6016	Methods of Teaching in the Content Areas: Science	
ESEC 6017	Methods of Teaching in the Content Areas: Social Science	
Student Teaching		
ESEC 6020	Supervised Field Experience I	3
ESEC 6022	Supervised Field Experience II	3
Teacher Performance Assessments		
ESEC 6030	Teaching Performance Assessment Supervised Study I	1
ESEC 6031	Teaching Performance Assessment Seminar I	1
ESEC 6032	Teaching Performance Assessment Supervised Study II	1
ESEC 6033	Teaching Performance Assessment Seminar II	1
Total Units		28

Additional Information

Students who fail to successfully complete any program course with a "B-" or better will be denied continuation in the program. An appeal process is available. Consult the Program Coordinator for details.

Upon completing all requirements for the single subject program, the candidate will be awarded a certificate of completion from California State University, San Bernardino and may apply for a preliminary credential.

Within two years candidates must complete an Induction Program that is offered by the school district in which they secure employment. Preliminary credential students may obtain a professional clear credential by meeting the Induction Program of the school district.

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Supervision and Coordination of Designated Subjects Program Credential

This program is for teacher leaders with the relevant teaching experience. This program allows people to receive a designated subject credential in Supervision and Coordination.

Credential Requirements (9 units)

ECTS 5080	Organization and Structure of Career and Technical Programs	3
ECTS 5090	Personnel Management in Career and Technical Programs	3
ECTS 5100	Field Work in Coordination and Supervision of Career and Technical Programs	3
Successful completion of the California Basic Educational Skills Test (CBEST).		
Total Units		9

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