



General Education and Graduation Requirements

GENERAL EDUCATION

Requirements: 48 semester units

Category A: English Language, Communication and Critical Thinking (9 units)

Category B: Life Sciences - Biology, Chemistry, Biochemistry and Quantitative Reasoning (12 units)

Category C: Fine Arts, Literature, Languages and Cultures (12 units)

Category D: Social Perspectives (12 units)

Category E: Human Psychological and Physiological Perspectives (3 units)

Objectives

The General Education program provides a vital element in fulfilling the mission of the University. Interdisciplinary courses facilitate learning within and across disciplines, enabling students to use information and approaches from a wide variety of disciplines. Language and multicultural courses provide the opportunity for students to experience cultures other than their own in meaningful and respectful ways. General Education requirements are designed to assure that all graduates of the university, whatever their major, have acquired essential skills, experiences and a broad range of knowledge appropriate to educated people within our society.

General Education courses are intended

- to foster an ability to think clearly and logically,
- to prepare students to find and critically examine information,
- to communicate at an appropriate level in both oral and written forms,
- to acquaint students with the physical universe and its life forms and to impart an understanding of scientific methodology and of mathematical concepts and quantitative reasoning,
- to cultivate—through the study of philosophy, literature, languages, and the arts—intellect, imagination, sensibility and sensitivity,
- to deal with human social, political and economic institutions and their historical background, with human behavior and the principles of social interaction,
- and to integrate their knowledge by forming an interdisciplinary and insightful approach to learning.

Upper Division General Education

The upper division General Education program consists of courses that have been designed to meet the following interdisciplinary standards. To be considered “interdisciplinary,” the syllabus must show that it is an integrative course with significant content, ideas, and ways of knowing from more than one discipline. These courses provide students with an understanding of the interrelationships among disciplines and their applications to contemporary environments, with multicultural and gender issues given special attention.

- Nine units of required upper division General Education must be selected from interdisciplinary courses (courses numbered 330-349 and 430-449).
- Courses numbered 330-349 do not have prerequisites.
- Courses numbered 430-449 may have prerequisites.
- A minimum of three semester units must be from a discipline outside the student’s major.
- Students should attain junior standing before enrolling in 300 and 400 level courses.

Major Specific Courses

Some majors require specific GE courses. Students should consult the catalog for their majors’ requirements or contact their advisors.

Cross Listed Courses

Many upper division General Education courses are cross listed. Students may only receive credit once for each cross listed course. For example: ENGL 431 is cross listed with ART 431. The student may choose to receive course units for either of the two courses but not both.

Double Counting

A course may meet the content requirements for two or more program areas (majors, minors, and other sub-programs) with permission of the program; however, the units for the course are counted only once toward the total units for graduation. Double counting between a program and General Education requirements is allowed; however, only six of the nine units of upper division, interdisciplinary General Education courses may be double counted between a major and General Education.

Courses in More Than One Category

A course may be found in more than one category. The student may choose which category requirements the course will fill, but a single course cannot fulfill requirements for two categories or sub-categories.

REQUIREMENTS FOR GENERAL EDUCATION

Category A: English Language, Communication and Critical Thinking (9 units)

Courses in category A approach communication as the human process of symbolic interaction, with a focus on formulation and analysis of those interactions. Students learn how to discover, evaluate and report information, how to reason inductively and deductively, and they develop the ability to distinguish matters of fact from matters of judgment or opinion. Courses emphasize the content and form of both oral and written communication in the English language, including exploration of the psychological basis and the social significance of communication, and an understanding of how language works in diverse situations. Modes of argument, rhetorical perspectives, and an understanding of the relationship of language to logic are stressed. Through active participation in written and oral communication, students develop the skills necessary for effective speaking, listening, writing and reasoning.

A-1 English Writing Courses (3 units)

ENGL 100 Composition and Rhetoric
ENGL 330 Writing in the Disciplines

A-2 Oral Communication (3 units)

COMM 101 Public Speaking
COMM 210 Interpersonal Communication
ENGL 330 Writing in the Disciplines
ENGL 483 Technical Visual Communication

A-3 Critical Thinking (3 units)

ART 330 Critical Thinking in a Visual World
BIOL 202 or MATH 202 Biostatistics
BIOL 346 or MGT 346 or MATH 346 or CHEM 346 Scientific and Professional Ethics
BIOL 430 or MATH 430 or CHEM 430 Research Design and Data Analysis
COMP 100 Computers: Their Impact and Use
COMP 101 Computer Literacy
ECON 343 or MKT 343 Capital Theory
ENGL 337 Literature of the Environment
ENGL 340 or BUS 340 or ECON 340 Business and Money in the American Novel
MATH 108 Mathematical Thinking
MATH 230 Logic
MATH 340 Statistics for Business and Economics

MATH	342	Probability and Statistics
MGT	424	Business in its Social Setting

Category B: Mathematics and Sciences (12 units)

Students study scientific methodologies as investigative tools. They improve their quantitative and rational thinking skills and apply them to the understanding of the complexity and diversity of modern problems in sciences. They learn to appreciate the influence and significance of sciences in the world's civilization, as well as the creative processes of problem solving.

Students must take a minimum of one course in each of the following subcategories. At least one course in B should include laboratory activity.

B1 Life Sciences - Biology, Chemistry, Biochemistry (3-4 units)

ANTH	330	or BIOL 330	Ecology and the Environment
ANTH	345		Bioanthropology
BIOL	100		General Biology
BIOL	200		Principles of Organismal and Population Biology
BIOL	201		Principles of Cell and Molecular Biology
BIOL	212	or PSY 212	Neurobiology and Cognitive Science
BIOL	331		Biotechnology in the Twenty-first Century
BIOL	332		Cancer and Society
BIOL	333		Emerging Public Health Issues
BIOL	344	or PSY 344	Health Psychology
BIOL	365	or PSY 365	Comparative Psychology, Ethology & Sociobiology
CHEM	100		Chemistry and Society
CHEM	110	or ANTH 110	Who Done It? An Introduction to Forensics
CHEM	121		General Chemistry I and Laboratory
CHEM	122		General Chemistry II and Laboratory
CHEM	170		Physical Sciences for the Elementary School Teacher
CHEM	341	or BUS 341 or ECON 341	Drug Discovery and Development
CHEM	343	or BIOL 343	Forensic Science
CHEM	344		Energy and Society

B2 Physical Sciences - Physics, Geology, Earth Sciences (3-4 units)

CHEM	170		Physical Sciences for the Elementary School Teacher
GEOL	121		Physical Geology
GEOL	122		Historical Geology
GEOL	300		Foundations of Earth Sciences
GEOL	321		Environmental Geology
PHYS	200		General Physics
PHYS	201		General Physics II

B3 Mathematics - Mathematics and Applications (3-4 units)

BIOL	431	or COMP 431	Bioinformatics
MATH	430	or CHEM 430 or BIOL 430	Research Design and Data Analysis
MATH	108		Mathematical Thinking
MATH	140		Calculus for Business Applications
MATH	150		Calculus
MATH	208		Modern Math for Elementary Teachers: Numbers and Problem Solving
MATH	330		Mathematics for Artists
MATH	331		History of Mathematics
MATH	340		Statistics for Business and Economics
MATH	440		Operations Research
MATH	462		Analysis of Algorithms

Category C: Fine Arts, Literature, Languages and Cultures (12 units)

Courses enable students to develop a basic appreciation of the human imagination and understand the value of personal creativity in a complex global society. Exposure to a diverse range of work in fine arts, literature, languages and cultures cultivate the student's ability to express intellectual and emotional responses by exercising subjective and objective evaluations. Awareness of diverse cultural contributions, in both historical and contemporary work, stresses the interrelationship between individual aesthetics and collective human sensibility. Numerous teaching methodologies involve active participation in the creative experience, leading to personal investigations into the cultural diversity prevalent in the visual, literary, audible, kinetic and oral traditions of human expression.

C-1 Minimum three units of Fine Arts Courses (3 units)

ART	100		Understanding Fine Arts Processes
ART	102		Children's Art Media and Methods
ART	110		Prehistoric Art to the Middle Ages
ART	111		Renaissance to Contemporary Art
ART	112		Arts of the Eastern World
ART	330		Critical Thinking in a Visual World
ART	331		Art and Mass Media
ART	332		Multicultural Art Movements
ART	333	or HIST 333	History of Southern California Chicana/o Art
ART	334	or BUS 334	The Business of Art
ART	338	or PSY 338	Psychology of Art and Artists
ART	433		Women in the Arts
MATH	330		Mathematics for Artists
MUS	333		Varieties of Musical Experience

C-2 Minimum of three units of Literature Courses (3 units)

ART	431	or ENGL 431	European Renaissance Literature and Art
ENGL	120		American Literature I
ENGL	150		British and European Literature I
ENGL	220		American Literature II
ENGL	250		British and European Literature II
ENGL	330		Writing in the Disciplines
ENGL	337		Literature of the Environment
ENGL	340	or BUS 340 or ECON 340	Business and Money in the American Novel
ART	432	or ENGL 432 or MU 432	Arts of the Harlem Renaissance
ENGL	449		Perspective on Multicultural Literature
PSY	336		Archetype West
PSY	339	or ENGL 339	Psychopathology in Literature

C-3 Languages and Cultures (6 units)**C3A: Language Courses (3 units)**

COMP	444		Automata, Languages, and Computation
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C3B: Multicultural Courses (3 units)

ANTH	320		World Cultures: Peoples, Places and Things
ANTH	321		World Cultures: Ethnicity in the United States
ART	332		Multicultural Art Movements
ART	432	or ENGL 432	Arts of the Harlem Renaissance
ENGL	333		Multicultural Drama in Performance/Production
ENGL	449		Perspectives on Multicultural Literature
HIST	333	or ART 333	History of Southern California Chicana/o Art
HIST	334	or ENGL 334	Narratives of Southern California
HIST	335	or ENGL 335 or ART 335	American Ethnic Images in Novels, Film and Art
MUS	333		Varieties of Musical Experience

PSY	344	Psychology and Traditional Asian Thought
LS	392	International Experience (variable credit)

Category D: Social Perspectives (12 units)

Courses in this category focus on the social, political and economic issues of institutions and cultures, with attention to contemporary and/or historical perspectives. Students develop an understanding of the social, political, historical, economic, educational and behavioral aspects of world cultures and systems and the ways in which these dimensions interact.

Students must complete a minimum of three courses—each in a different discipline—from the following list:

ANTH	102	Cultural Anthropology
ANTH	103	Human Beginnings: Biological and Cultural Evolution
ANTH	110	or CHEM 110 Who Done It? An Introduction to Forensics
ANTH	120	or ESRM 120 The World Eaters: Co-evolution of Humans and natural systems
ANTH	322	World Cultures: North America
ANTH	323	World Cultures: California to the 1850s
ANTH	332	Population and Resource Constraints
ANTH	333	Civilizations of an Ancient Landscape: World Archaeology
ANTH	334	Wars and Conflicts in the Modern World
ANTH	341	or PSY 341 Culture and Personality
ANTH	343	Anthropology of Organizations
ART	331	Art and Mass Media
ART	334	The Business of Art
ART	433	Women in the Arts
BUS	341	or ECON 341 or CHEM 341 Drug Discovery and Development
BUS	349	History of Business & Economics in North America
ECON	110	Principles of Microeconomics
ECON	111	Principles of Macroeconomics
ECON	300	Fundamentals of Economics
ECON	343	Capital Theory
EDUC	320	Education in Modern Society
ESRM	330	Environmental Institutions, Law & Regulation
HIST	211	World History: Origins of Civilizations to 1500
HIST	212	World History: Civilizations Since 1500
HIST	335	or ENGL 335 or ART 335 American Ethnic Images in Novels, Film and Art
HIST	365	Themes in World Civilizations Before 1500
HIST	366	Themes in World Civilizations Since 1500
HIST	402	Southern California Chicano History and Culture
MATH	331	or HIST 331 History of Mathematics
MGT	346	or CHEM 346 or BIOL 346 or MATH 346 or ANTH 346 Scientific and Professional Ethics
MGT	424	Business in Its Social Setting
PSY	341	or ANTH 341 Culture and Personality
PSY	366	Evolutionary Psychology, Sociobiology, and Civilization
SPED	345	or PSY 345 Individuals with Disabilities in Society

Category E: Human Psychological and Physiological Perspectives (3 units)

Courses in this category are designed to assist students in developing a lifelong understanding of themselves as psychological, social, and physiological beings. Such courses may include aspects of human sexuality, behavior, health, nutrition, and an understanding of death and dying. They may stress how humans relate within physical and social environments.

ANTH	341	or PSY 341 Culture and Personality
ART	338	or PSY 338 Psychology of Art and Artists
BIOL	212	or PSY 212 Neurobiology and Cognitive Science
BIOL	330	or PSY 330 Health Psychology
BIOL	333	Emerging Public Health Issues
BIOL	332	Cancer and Society
BIOL	365	or PSY 365 Comparative Psychology, Ethology and Sociobiology
COMP	449	Human-Computer Interaction
ENGL	339	or PSY 339 Psychopathology in Literature
PHED	101	Walking for Health
PHED	102	Seminar in Traditional Asian Martial Arts
PHED	103	Yoga
PHED	105	Zen of Surfing
PHED	302	Motor Learning, Fitness and Development in Children
PSY	100	Introduction to Psychology
PSY	210	Learning, Cognition and Development
PSY	220	Human Sexual Behavior
PSY	336	Archetype West
PSY	330	Psychology and Traditional Asian Thought
PSY	366	Evolutionary Psychology, Sociobiology and Civilization
SPED	345	or PSY 345 Individuals with Disabilities in Society

BACCALAUREATE DEGREE REQUIREMENTS

All baccalaureate degrees require completion of the requirements listed below. Degree requirements fall into three categories: general education requirements; major/minor requirements and other University requirements.

Total Units

A minimum of 120-125 units are required, depending on the major selected. No more than 70 units taken at a community college or other two-year college may be applied to this total, excluding military credit and credit by examination. A semester unit is equivalent to two-thirds of a quarter unit.

Upper Division Units

At least 40 of the total required units for graduation must be in courses numbered 300-499.

Major

Completion of a specific number and pattern of courses in one or more academic departments is defined as a major and is required for graduation.

General Education

All students must complete General Education requirements. General Education requirements can be found in this section of the catalog. A minimum of 9 units must be completed in residence at CSUCI.

Residence

At least 30 of the total units must be taken at CSUCI excluding Open University and Extension units. At least 24 of these units must be upper division, and 12 of the 30 must be in the major. At least 9 of the required 48 General Education units must be taken in residence at CSUCI.

Grade Point Average (GPA)

An overall GPA of 2.0 is required for:

1. total courses attempted;
2. CSUCI courses attempted; and
3. courses in the major

History and Government

Demonstrated competencies in U.S. History, U.S. Constitution, and California State and local government are required for graduation.

Language and Multicultural Requirement

One semester of a language other than English (e.g., foreign language, computer language, American Sign Language) with a grade of C or better is required. Students may also receive credit for speaking a language other than English (for purposes of GE, students will receive content credit but not unit credit in this case). Students' Non-English language will be evaluated through an examination. Students will also be required to complete a multicultural experience to be satisfied through an approved GE course in Category C3b.

