

GENERAL EDUCATION REQUIREMENTS

Complete 78-82 quarter units of designated courses in general education distributed in the following manner. Courses applicable to general education for 2007 - 2008 catalog year are indicated below.

NOTE: No substitutions in the general education program are possible without prior approval of a petition submitted to the Office of Academic Services, UH-380.

Some majors require specific GE courses. Students should consult the *Bulletin of Courses* for their major's requirements or contact the department. Students are strongly urged to complete the Basic Skills category requirements before enrolling in upper-division courses (numbered 300 or above).

NOTE: Courses in **Category A** should be completed before a student reaches upper-division standing (90 quarter units). For upper-division transfer students, this category should be completed within the first 32 units taken at California State University, San Bernardino.

The following GE indicators are printed in the *Class Schedule* and indicate what area of GE is satisfied by the course.

BASIC SKILLS Category

- A1 Written Communication
- A2 Oral Communication
- A3 Mathematics
- A4 Critical Thinking
- ** Honors, Basic Skills

NATURAL SCIENCES BREADTH Area

- B1 Mathematics
- B2 Life Sciences
- B3 Physical Sciences
- B4 Science and Technology
- B5 Integrative Capstone - Natural Science

HUMANITIES BREADTH Area

- C1 Arts
- C2 Literature
- C3 Foreign Language or Literature in Translation
- C4 Philosophy
- C5 Integrative Capstone - Humanities

SOCIAL AND BEHAVIORAL SCIENCES BREADTH Area

- D1 American History
- D2 American Institutions
- D3 World Cultures
- D4 Discipline Perspectives
- D5 Integrative Capstone - Social and Behavioral Sciences

LIFELONG UNDERSTANDING Category

- E1 The Whole Person-Physical and Physiological
- E2 The Whole Person-Social and Psychological
- E3 Physical Education

UPPER-DIVISION WRITING REQUIREMENT

- F Upper Division Writing Requirement

MULTICULTURAL/GENDER REQUIREMENT

- G Multicultural Gender

A. BASIC SKILLS Category (12 units)

1. WRITTEN COMMUNICATION

Four units chosen from:

- ENG 101 Freshman Composition
- HON 103 Language and Meaning**

2. ORAL COMMUNICATION

Four units chosen from:

- COMM 120 Oral Communication
- HON 103 Language and Meaning**

3. MATHEMATICS

One course listed in the mathematics section of the Natural Sciences Breadth area (category B1).

4. CRITICAL THINKING

Four units chosen from:

- COMM 180 Critical Thinking Through Argumentation
- HON 103 Language and Meaning**
- MATH 180 Critical Thinking Through Applications of Mathematical Logic
- PHIL 105 Critical Thinking Through Argument Analysis
- PHIL 200 Critical Thinking Through Symbolic Logic
- PSYC 105 Critical Thinking Through Problems Analysis
- SOC 180 Critical Thinking About Social Problems

** Open only to students accepted in the University Honors Program. The entire Honors 103A/103B/103C sequence must be completed before the student will be granted GE credit in any Basic Skills category.

GENERAL EDUCATION REQUIREMENTS

B. NATURAL SCIENCES BREADTH Area (20 units)

1. MATHEMATICS

Four units chosen from:

MATH	110	College Algebra
MATH	115	The Ideas of Mathematics
MATH	120	Pre-Calculus Mathematics
MATH	192	Methods of Calculus
MATH	211	Basic Concepts of Calculus

2. LIFE SCIENCES

Five units chosen from:

BIOL	100	Topics in Biology
BIOL	202	Biology of Populations
HSCI	120	Health and Society: Ecological Approach

3. PHYSICAL SCIENCES

A minimum of five units chosen from:

CHEM	100	Chemistry in the Modern World
CHEM	205	Fundamentals of Chemistry I: General Chemistry
CHEM	215	General Chemistry I: Atomic Structure and Chemical Bonding
GEOG	103	Physical Geography
GEOL	101	Introductory Geology
PHYS	100	Physics in the Modern World
PHYS	103	Descriptive Astronomy
PHYS	121	Basic Concept of Physics I
PHYS	221	General Physics I

4. SPECIAL TOPICS IN SCIENCE & TECHNOLOGY

Two units chosen from:

BIOL	216	Genetics and Society
BIOL	217	Biology of Sexually Transmitted Diseases
CHEM	105	Chemicals in Our Environment
CSCI	122	Bioinformatics
CSCI	129	Science, Computing and Society
GEOL	205	Volcanic Hazards, Surveillance and Prediction
GEOL	210	Earthquakes: Science and Public Policy

5. INTEGRATIVE CAPSTONE IN THE NATURAL SCIENCES

Four units chosen from:

NSCI	300	Science and Technology
NSCI	310	The Environment and Human Survival
NSCI	314	Life in the Cosmos
NSCI	315	Natural Disasters
NSCI	320	Energy
NSCI	325	Perspectives on Gender*
NSCI	351	Health and Human Ecology
NSCI	360	Legacy of Life

NOTE: Students may receive credit for only one of the following courses:

HUM	325	Perspectives on Gender
NSCI	325	Perspectives on Gender

SSCI 325 Perspectives on Gender

*Also counts in category G

C. HUMANITIES BREADTH Area (20 units)

1. ARTS

Four units chosen from:

ART	200	Studies in Art
HUM	180	The Art of Film
MUS	180	Studies in Music
TA	260	Introduction to Theatre

2. LITERATURE

Four units chosen from:

ENG	110	World Literature I
ENG	111	World Literature II
ENG	160	World Drama
ENG	170	Studies in Literature
TA	160	World Drama
TA	212	Oral Interpretation of Literature

3. FOREIGN LANGUAGE OR LITERATURE IN TRANSLATION

Four units chosen from:

ARAB	102	College Arabic II
ARAB	150	Intermediate Arabic III
ARAB	214	Conversation in Arabic
ARAB	290	Arabic Literature in Translation
ASL	102	American Sign Language II
ASL	150	American Sign Language III
FLAN	102	Language Study II
FLAN	150	Intermediate Language Study
FREN	102	College French II
FREN	150	Intermediate French
FREN	200	Culture and Communication
FREN	201	Conversation and Composition II
FREN	202	Conversation and Composition III
FREN	290	French Literature in English
GER	102	College German II
GER	150	Intermediate German
GER	212	Composition
GER	214	Conversation
GER	216	Introduction to Literary Texts
GER	290	German Literature in English
JAPN	102	College Japanese II
JAPN	150	Intermediate Japanese
JAPN	290	Japanese Literature in English
MAND	102	College Mandarin II
MAND	150	Intermediate Mandarin
SPAN	102	College Spanish II
SPAN	150	Intermediate Spanish
SPAN	155	Intermediate Spanish for Heritage/Native Speakers
SPAN	212	Composition
SPAN	213	Composition for Heritage/Native Speakers
SPAN	214	Conversation
SPAN	290	Spanish and Latin American Literature in English

GENERAL EDUCATION REQUIREMENTS

To be eligible for general education credit for 102, a student must have had either less than two years of high school study of the language selected in category C3 or no such study of that language for at least five years prior to admission to the university.

The following rules apply to challenging a course for credit toward this category:

- Only courses at the 150-level or higher may be challenged.
- Students wishing to challenge a language not offered at this university must be tested at the University of California, Los Angeles Testing Center, where they must achieve a level of intermediate (ACTFL Stage 2) or above. The student must pay all necessary fees and make all necessary arrangements for the taking of the test and for the official reporting of the results to the Department of World Languages and Literatures.
- Students whose language of instruction in secondary school was not English may satisfy this category by submitting official academic transcripts that show completion of secondary school in a country in which the language with which they wish to meet the foreign language requirement was the medium of instruction.
- Students who satisfy the Foreign Language/Literature in Translation requirement through b. or c. above will not receive academic credit and must take four additional units from the Humanities Breadth Area (Category C) to meet the total number of General Education units required for graduation.

4. PHILOSOPHY

Four units chosen from:

PHIL	190	Introduction to Philosophical Issues
PHIL	191	Introduction to Ethics
PHIL	192	Introduction to Philosophy of Religion
PHIL	193	Introduction to Eastern Philosophy
PHIL	194	Introduction to Knowledge and Reality

5. INTEGRATIVE CAPSTONE IN THE HUMANITIES

Four units chosen from:

HUM	319	Myth, Metaphor and Symbol
HUM	325	Perspectives on Gender*
HUM	330	Arts and Ideas
HUM	335	The Origin and Contemporary Role of Latino Culture*
HUM	340	Interpretation and Values
HUM	344	Ideas in American Culture
HUM	350	The Cultures of American Childhood*
HUM	370	African Heritage in the Arts*
HUM	375	The World of Islam*
HUM	380	Comparative Studies in the Arts: East and West*
HUM	385	A Cultural History of Fashion

NOTE: Students may receive credit for only one of the following courses:

HUM	325	Perspectives on Gender
NSCI	325	Perspectives on Gender
SSCI	325	Perspectives on Gender

*Also counts in category G

D. SOCIAL AND BEHAVIORAL SCIENCES BREADTH Area (20 units)

1. AMERICAN HISTORY AND CIVILIZATION

Four units chosen from:

HIST	146	American Civilization
HIST	200	United States History to 1877
HIST	201	United States History, 1877 to the Present

2. AMERICAN INSTITUTIONS

PSCI 203 American Government

NOTE: The American history, constitution, state and local government requirement may be met by taking:

PSCI	203	American Government and one of the following:
HIST	146	American Civilization
HIST	200	United States History to 1877
HIST	201	United States History, 1877 to the Present

If this requirement is met by examination, then students must still complete 16 of lower-division units in this breadth area.

3. WORLD CULTURES

Four units chosen from:

ANTH	140	World Civilizations I, the Rise of Civilization
HIST	140	World Civilizations I, the Rise of Civilization
HIST	142	World Civilizations II, the Civilizations of the East and West
HIST	144	World Civilizations III, the Expansion of Europe
SSCI	165	Regions and Peoples of the World

4. DISCIPLINE PERSPECTIVES

Four units chosen from:

ANTH	100	Introduction to Anthropology: Human Evolution
ANTH	102	Introduction to Anthropology: Culture and Society
ECON	104	Economics of Social Issues
ES	100	Ethnicity and Race in America
GEOG	100	Introduction to Human Geography
PSYC	100	Introduction to Psychology
SOC	100	The Study of Society
WSTD	100	Introduction to Women's Studies

5. INTEGRATIVE CAPSTONE IN SOCIAL & BEHAVIORAL SCIENCES

Four units chosen from:

SSCI	300	Nonwestern World
SSCI	304	Contemporary Latin America
SSCI	315	Cultural Adaptation: the Quest for Survival
SSCI	316	Race and Racism*
SSCI	320	Understanding Capitalism
SSCI	321	Urbanization and the Urban Environment
SSCI	325	Perspectives on Gender*
SSCI	345	Religious Expression in America
SSCI	350	Roots of Modern Racism in America*

GENERAL EDUCATION REQUIREMENTS

NOTE: Students may receive credit for only one of the following courses:

HUM	325	Perspectives on Gender
NSCI	325	Perspectives on Gender
SSCI	325	Perspectives on Gender

*Also counts in category G

E. LIFELONG UNDERSTANDING Category (6 units)

1. THE WHOLE PERSON - PHYSICAL AND PHYSIOLOGICAL ISSUES

Two units chosen from:

KINE	205	Foundations for Lifetime Fitness and Wellness
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2. THE WHOLE PERSON - SOCIAL AND PSYCHOLOGICAL ISSUES

Two units chosen from:

FIN	101	Financial Choices in Life
PHIL	101	Moral Choices in Life
PSYC	115	Personal and Social Adjustment
SOC	110	Choices in the Life Course

3. PHYSICAL EDUCATION

Two units chosen from:

KINE	101	Individual and Dual Activities
KINE	114	Physical Fitness and Conditioning Activities
KINE	120	Combative and Martial Arts Activities
KINE	121	Team Activities
KINE	137	Aquatic Activities
KINE	147	A Fitness Odyssey
KINE	149	Independent Activity Project
KINE	150	Dance Activities

NOTE: All students are required to complete two units of physical education in this category. Ten additional units of physical education activity courses (numbered 150 and below) for a total of 12 units maximum may be applied toward graduation.

F. UPPER-DIVISION WRITING REQUIREMENT (0-4 units)

This requirement can be met by completing one of the following two options:

1. Successfully completing one of the following upper-division expository writing courses (4 units):

EDUC	306	Expository Writing for Education
ENG	306	Expository Writing
HUM	306	Expository Writing for the Humanities
MGMT	306	Expository Writing for Administration
NSCI	306	Expository Writing for the Natural Sciences
SSCI	306	Expository Writing for the Social Sciences

2. Passing a proficiency examination (0 units)

No credit is awarded for passing the examination. It may be necessary to take additional units to meet minimum residency and graduation unit requirements.

G. MULTICULTURAL/GENDER REQUIREMENT Category

All students must take one upper-division course designated as meeting this requirement. The multicultural/gender requirement can be met by completing one of the following two options:

1. Integrative capstone course completed in one of the three breadth areas (categories B5, C5 or D5):

HUM	325	Perspectives on Gender
HUM	335	The Origin and Contemporary Role of Latino Culture
HUM	350	The Cultures of American Childhood
HUM	370	African Heritage in the Arts
HUM	375	The World of Islam
HUM	380	Comparative Studies in the Arts: East and West
NSCI	325	Perspectives on Gender
SSCI	316	Race and Racism
SSCI	325	Perspectives on Gender
SSCI	350	Roots of Modern Racism in America

2. One upper-division course from the following:

ANTH	325	Human Variation and the Concept of Race
ANTH	333	Sex and Gender in Cross-Cultural Perspective
COMM	304	Intercultural Communication
COMM	401	Gender, Race and Media
CJUS	451	Women and Crime
ECON	352	Political Economy of Poverty and Discrimination
ENG	314	American Indian Literature
HUM	460	Cultural Studies
MUS	308	Women in Music
MUS	350	Music of World Cultures
PA	305	Organizations in Multicultural and Diverse Societies
PHIL	364	Philosophy of Race and Gender
PHIL	367	Gender and Philosophy
TA	462	African-American Theatre and Drama
TA	463	Asian Theatre