

# General Education Program

## Requirements (78-86 units)

The general education requirements at California State University, San Bernardino are designed to assure that all graduates of the university, whatever their major, have acquired certain essential skills and a broad range of knowledge appropriate to educated persons in our society.

Lower-division courses are intended to foster an ability to think clearly and logically, to find and critically examine information, and to communicate, at an appropriate level, orally and in writing; 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; and to deal with human social, political and economic institutions and their historical background, with human behavior and the principles of social interaction. Upper-division courses include a further requirement in writing as well as integrative capstone courses designed to provide students with an understanding of the interrelationships among disciplines and their applications to contemporary environments. Multicultural and gender issues are given special attention in these courses.

The purpose of the general education program is not, primarily, to provide students with a number of possible avenues for specialization. Rather it is intended to ensure that all students will have a firm grasp of the basic skills of critical thinking, numerical literacy, and oral and written communication; understand the issues on which they will have to make decisions; and know something about themselves and the world in which they live.

The general education program requires a minimum of 78 quarter units. An additional four units may be required to satisfy the Upper-division Writing Requirement. Also, students who do not complete the Multicultural/Gender Requirement with one of the listed capstone courses (GE-G1) must take one of the courses listed in area GE-G2 for an additional four units.

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

Some majors require specific GE courses. Students should consult the catalog for their major's requirements or contact the department.

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

## Requirements for General Education Program

### A. Basic Skills Category (12)

#### 1. Written Communication

Four units chosen from: 4

ENG 104A	Stretch Composition III
ENG 104B	Stretch Composition III for Multilingual Students

ENG 106A	Accelerated Stretch Composition II
ENG 106B	Accelerated Stretch Composition II for Multilingual Students

ENG 107	Advanced First-Year Composition
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#### 2. Oral Communication

Four units chosen from: 4

COMM 120	Oral Communication
HON 104C	Language and Meaning: Oral Communication *

#### 3. Mathematics

One course listed in the mathematics section of the natural sciences breadth area (category B1)

#### 4. Critical Thinking

Four units chosen from the following: 4

COMM 180	Critical Thinking Through Argumentation
HON 104A	Language and Meaning: Critical Thinking *
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

Total Units 12

\* Open only to students accepted into the University Honors Program.

### B. Natural Sciences Breadth Area (20)

#### 1. Mathematics

Four units chosen from: 4

MATH 110	College Algebra *
MATH 111B	Accelerated Stretch College Algebra B
MATH 112C	Stretch College Algebra C
MATH 115	The Ideas of Mathematics *
MATH 116B	Accelerated Stretch Ideas of Math B
MATH 117C	Stretch Ideas of Math C
MATH 120	Pre-Calculus Mathematics *
MATH 165	Introductory Statistics and Hypothesis Testing (GE credit for Nursing majors only)

MATH 192	Methods of Calculus
MATH 211	Basic Concepts of Calculus

#### 2. Life Sciences

Five units chosen from: 5

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

#### 3. Physical Sciences

A minimum of five units chosen from: 5

ASTR 103	Descriptive Astronomy
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 121	Basic Concepts of Physics I	
PHYS 221	General Physics I	
4. Special Topics in Science and Technology		
Two units chosen from:		2
BIOL 216	Genetics and Society	
BIOL 217	Biology of Sexually Transmitted Diseases	
CHEM 105	Chemicals in Our Environment	
CSE 122	Bioinformatics	
CSE 129	Science, Computing and Society	
CSE 208	Introduction to Computer Engineering Design	
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:		4
CSE 408	Sustainable Engineering Design	
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 (also counts in category G1)**	
NSCI 351	Health and Human Ecology	
NSCI 360	Legacy of Life	
Total Units		20

\* MATH 110, MATH 111B, MATH 112C, MATH 115, MATH 116B, MATH 117C, and MATH 120 must be completed with a grade of "C-" (1.7) or better

\*\* Note: Students may receive credit for only one of the following courses: HUM 325, NSCI 325, SSCI 325

### C. Humanities Breadth Area (20)

1. Arts		
Four units chosen from:		4
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:		4
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:		4
ARAB 103	College Arabic III	
ARAB 201	Intermediate Arabic I	
ARAB 202	Intermediate Arabic II	
ARAB 203	Intermediate Arabic III	

ARAB 214	Conversation in Arabic	
ARAB 290	Arabic Literature in Translation	
ASL 103	American Sign Language III	
ASL 201	American Sign Language IV	
ASL 202	American Sign Language V	
ASL 203	American Sign Language VI	
CHIN 103	College Chinese III	
CHIN 201	Second Year College Chinese I	
CHIN 202	Second Year College Chinese II	
CHIN 203	Second Year College Chinese III	
CHIN 214	Conversation in Chinese	
CHIN 290	Chinese Literature in Translation	
FLAN 103A-U	Language Study III	
FLAN 201A-U	Second Year Language Study I	
FLAN 202A-U	Second Year Language Study II	
FLAN 203A-U	Second Year Language Study III	
FREN 103	College French III	
FREN 200	Culture and Communication	
FREN 201	Culture and Communication II	
FREN 202	Culture and Communication III	
FREN 290	French Literature in English	
GER 103	College German III	
GER 212	Composition	
GER 214	Conversation	
GER 216	Introduction to Literary Texts	
GER 290	German Literature in English	
JAPN 103	College Japanese III	
JAPN 201	Second Year College Japanese I	
JAPN 202	Second Year College Japanese II	
JAPN 203	Second Year College Japanese III	
JAPN 214	Conversation in Japanese	
JAPN 290	Japanese Literature in Translation	
KOR 103	College Korean III	
KOR 201	Second Year College Korean I	
KOR 202	Second Year College Korean II	
KOR 203	Second Year College Korean III	
KOR 214	Conversation in Korean	
PERS 103	College Persian III	
PERS 201	Intermediate Persian I	
PERS 202	Intermediate Persian II	
PERS 290	Persian Literature in Translation	
SPAN 103	College Spanish III	
SPAN 201	Intermediate Spanish I	
SPAN 202	Intermediate Spanish II	
SPAN 203	Intermediate Spanish III	
SPAN 214	Conversation	
SPAN 290	Spanish and Latin American Literature in English	
4. Philosophy		
Four units chosen from:		4
HON 104B	Language and Meaning: Introduction to Philosophy**	
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:	4
HUM 319	Myth, Metaphor and Symbol
HUM 325	Perspectives on Gender (also counts in category G1) ***
HUM 328	Asian Cultural Traditions (also counts in category G1)
HUM 330	Arts and Ideas
HUM 335	The Origin and Contemporary Role of Latino Culture (also counts in category G1)
HUM 340	Interpretation and Values
HUM 344	Ideas in American Culture
HUM 350	The Cultures of American Childhood (also counts in category G1)
HUM 370	African Heritage in the Arts (also counts in category G1)
HUM 375	The World of Islam (also counts in category G1)
HUM 380	Comparative Studies in the Arts: East and West (also counts in category G1)
HUM 385	A Cultural History of Fashion
Total Units	20

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

1. Only courses at the 103-level or higher may be challenged;
2. Students wishing to challenge a language not offered at this university must present evidence of an official ACTFL Oral Proficiency Interview (OPI) 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;
3. 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;
4. Students who satisfy the Foreign Language/Literature in Translation requirement through 2 or 3 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.

\*\* Open only to students accepted into the University Honors Program.

\*\*\* Note: Students may receive credit for only one of the following courses: HUM 325, NSCI 325, SSCI 325

**D. Social and Behavioral Sciences Breadth Area (20)**

1. American History and Civilization *	
Four units chosen from:	4
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
3. World Cultures	
Four units chosen from:	4

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
SSCI 165	Regions and Peoples of the World
4. Discipline Perspectives	
Four units chosen from:	4
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
GSS 100	Introduction to Women's Studies
GSS 101	Introduction to Masculinity Studies
GSS 103	Introduction to Lesbian, Gay, Bisexual, and Transgender Studies
PSYC 100	Introduction to Psychology
SOC 100	The Study of Society
5. Integrative Capstone in the Social and Behavioral Sciences	
Four units chosen from:	4
SSCI 300	Nonwestern World
SSCI 304	Contemporary Latin America
SSCI 315	Cultural Adaptation: The Quest for Survival
SSCI 316	Race and Racism (also counts in category G1)
SSCI 320	Understanding Capitalism
SSCI 321	Urbanization and the Urban Environment
SSCI 325	Perspectives on Gender (also counts in category G1) **
SSCI 345	Religious Expression in America
SSCI 350	Roots of Modern Racism in America (also counts in category G1)
Total Units	20

\* Note: The American history, constitution, state and California local government requirement may be met by taking PSCI 203 and one of the following: HIST 146 or HIST 200 or HIST 201. If this requirement is met by examination, then students still must complete 16 lower-division units in this breadth area.

\*\* Note: Students may receive credit for only one of the following courses: HUM 325, NSCI 325, SSCI 325

**E. Lifelong Understanding Category (6)**

1. The Whole Person - Physical and Physiological Issues	
KINE 205	Foundations for Lifetime Fitness and Wellness
2. The Whole Person - Social and Psychological Issues	
Two units chosen from:	2
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:	2
KINE 101A-S	Individual and Dual Activities

KINE 114A-F	Physical Fitness and Conditioning Activities
KINE 120A-L	Somatic and Martial Arts Activities
KINE 121A-K	Team Activities
KINE 137A-L	Aquatic Activities
KINE 147	A Fitness Odyssey
KINE 149	Independent Activity Project
KINE 150A-K	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.

Total Units	6
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### G. Multicultural/Gender Requirement Category (0-4) 0-4

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 in one of the three breadth areas (categories B5, C5 or D5)

HUM 325	Perspectives on Gender
HUM 328	Asian Cultural Traditions
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 Biological Variance and the Concept of Race
ANTH 333	Sex and Gender in Cross-Cultural Perspective
CJUS 451	Women and Crime
COMM 304	Intercultural Communication
COMM 401	Gender, Race and Media
ECON 352	Political Economy of Poverty and Discrimination
ENG 314	American Indian Literature
HUM 460	Cultural Studies
MUS 308	Women in Music
MUS 309	Jazz History in America and African-American Culture
MUS 350	Music of World Cultures
PA 305	Organizations in Multicultural and Diverse Societies
PHIL 364	Philosophy of Race and Ethnicity
PHIL 367	Gender and Philosophy
TA 462	African-American Theatre and Drama
TA 463	Asian Theatre

## General Graduation Requirements

### Upper-Division Writing Requirement

All undergraduate students subject to degree requirements of the 1980-81 or subsequent University Bulletins must complete an upper-division writing competency requirement as a condition of graduation.

Completion with a grade of "C" (2.0) or better of one of the following courses:

EDUC 306	Expository Writing for Education	4
ENG 306	Expository Writing for English	4
HON 306	Expository Writing for Honors (for students in the Honors Program)	4
HUM 306	Expository Writing for the Humanities	4
MGMT 306	Expository Writing for Administration	4
NSCI 306	Expository Writing for the Natural Sciences	4
SSCI 306	Expository Writing for the Social Sciences	4

Prerequisites for 306 courses are: satisfaction of the written communication requirement (A1) and a minimum of 90 quarter (60 semester) units of college credits. (Note: these 306 courses were previously numbered 495.)

Students normally shall complete the upper-division writing requirement by the end of the junior year. Contact the Office of the Associate Vice President of Undergraduate Studies, University Hall, Room 368, (909) 537-5032 for questions about the upper-division writing requirement.

### History, Constitution, Government Requirement

Each student must demonstrate competence in understanding the Constitution of the United States; American history, institutions and ideals; and the principles of state and local government as established in California.

The requirement in the U.S. Constitution may be met by completing one of the following (or both HIST 200 and HIST 201, if taken at CSUSB):

HIST 146	American Civilization	4
HIST 200	United States History to 1877 (and)	4
HIST 201	United States History, 1877 to the Present	4
HIST 540	Constitutional History of the United States	4
PSCI 203	American Government	4
PSCI 410	American Constitutional Law	4
PSCI 411	The Bill of Rights	4

The requirement in U.S. history may be met by completing one of the following:

HIST 146	American Civilization	4
HIST 200	United States History to 1877	4
HIST 201	United States History, 1877 to the Present	4
HIST 540	Constitutional History of the United States	4
PSCI 314	American Political Thought	4

The requirement in state and local government as established in California may be met by completing one of the following:

HIST 270	California History	4
HIST 370	History of California	4
PSCI 203	American Government	4
PSCI 330	State and Local Politics	4
PSCI 332	California Government	2

**Note:** General Education credit is only granted for the following: HIST 146, HIST 200, HIST 201 and PSCI 203.

A student can meet the entire U.S. Constitution, U.S. history, and California state and local government requirement, while fulfilling general education requirements, by taking PSCI 203 and one of the following: HIST 146 or HIST 200 or HIST 201.