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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
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 115 The Ideas of Mathematics *	
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 115](#), and [MATH 120](#) must be completed with a grade of "C" (2.0) 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	4
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, the Expansion of Europe	
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
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

F. Upper-division Writing Requirement (0-4)		
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 with a grade of "C" (2.0) or better		4
EDUC 306	Expository Writing for Education	

ENG 306	Expository Writing for English	
HON 306	Expository Writing for Honors *	
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 the Writing Requirement Exemption Exam (WREE).		0
No unit credit is awarded for passing the examination. It may be necessary to take additional units to meet minimum residency and graduation unit requirements.		
Total Units		0-4

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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	
CIJS 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

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 through either of two means:

1. 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.)

2. Satisfactory completion of the Writing Requirement Exemption Examination. No credit is awarded for passing the examination. It may be necessary to take additional units to meet minimum residency and graduation unit requirements.

Students normally shall complete the upper-division writing requirement by the end of the junior year. Further information about the examination (for example, how much it costs, when it is offered, what it covers) is available from the Testing Office, University Hall, Room 368, (909) 537-5045. 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 itself.

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	
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](#). The opportunity to meet the requirements by passing an optional

examination, which may be repeated once (not in the same quarter), is given to students. However, if this requirement is met by examination, students must still complete 16 lower-division units in the Social and Behavioral Sciences breadth area (category D). Information may be obtained from either the Office of the Registrar or the College of Social and Behavioral Sciences Office. The examinations are administered through the Testing Office.