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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>

A. Basic Skills Category (12)

1. Written Communication

Four units chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 104A</td>
<td>Stretch Composition III</td>
<td>4</td>
</tr>
</tbody>
</table>

2. Oral Communication

Four units chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 120</td>
<td>Oral Communication</td>
<td>4</td>
</tr>
<tr>
<td>HON 104C</td>
<td>Language and Meaning: Oral Communication</td>
<td>4</td>
</tr>
</tbody>
</table>

3. Mathematics

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

Four units chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 180</td>
<td>Critical Thinking Through Applications of Mathematical Logic</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 105</td>
<td>Critical Thinking Through Argument Analysis</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 105</td>
<td>Critical Thinking Through Problems Analysis</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units: 12

B. Natural Sciences Breadth Area (20)

1. Mathematics

Four units chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 110</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 111B</td>
<td>Accelerated Stretch College Algebra B</td>
<td>4</td>
</tr>
<tr>
<td>MATH 112C</td>
<td>Stretch College Algebra C</td>
<td>4</td>
</tr>
<tr>
<td>MATH 115</td>
<td>The Ideas of Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 116B</td>
<td>Accelerated Stretch Ideas of Math B</td>
<td>4</td>
</tr>
<tr>
<td>MATH 117C</td>
<td>Stretch Ideas of Math C</td>
<td>4</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Pre-Calculus Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 165</td>
<td>Introductory Statistics and Hypothesis Testing (GE credit for Nursing majors only)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 192</td>
<td>Methods of Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 211</td>
<td>Basic Concepts of Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

2. Life Sciences

Five units chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 100</td>
<td>Topics in Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 202</td>
<td>Biology of Populations</td>
<td>5</td>
</tr>
<tr>
<td>HSCI 120</td>
<td>Health and Society: An Ecological Approach</td>
<td>5</td>
</tr>
</tbody>
</table>

3. Physical Sciences

A minimum of five units chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 103</td>
<td>Descriptive Astronomy</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 100</td>
<td>Chemistry in the Modern World</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 205</td>
<td>Fundamentals of Chemistry I: General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 215</td>
<td>General Chemistry I: Atomic Structure and Chemical Bonding</td>
<td>5</td>
</tr>
<tr>
<td>GEOG 103</td>
<td>Physical Geography</td>
<td>5</td>
</tr>
<tr>
<td>ENG 104B</td>
<td>Stretch Composition III for Multilingual Students</td>
<td>5</td>
</tr>
<tr>
<td>ENG 106A</td>
<td>Accelerated Stretch Composition II</td>
<td>5</td>
</tr>
<tr>
<td>ENG 106B</td>
<td>Accelerated Stretch Composition II for Multilingual Students</td>
<td>5</td>
</tr>
<tr>
<td>ENG 107</td>
<td>Advanced First-Year Composition</td>
<td>5</td>
</tr>
</tbody>
</table>

* Open only to students accepted into the University Honors Program.
### General Education Program

**GEOL 101**  
Introductory Geology

**PHYS 100**  
Physics in the Modern World

**PHYS 121**  
Basic Concepts of Physics I

**PHYS 221**  
General Physics I

**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

### 4. Special Topics in Science and Technology

Two units chosen from:

- **BIOL 216**  
Genetics and Society
- **BIOL 217**  
Biology of Sexually Transmitted Diseases
- **CHEM 105**  
Chemicals in Our Environment
- **CSE 335**  
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:

- **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**

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

Code  
Title  
Credits

### C. Humanities Breadth Area (20)

#### 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 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 Language Study I
- **FLAN 202A-U**  
Second Language Study II
- **FLAN 203A-U**  
Second 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

**Total Units: 20**

**Code**  
**Title**  
**Credits**

#### 4. Philosophy

Four units chosen from:

- **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

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 190</td>
<td>Introduction to Philosophical Issues</td>
<td></td>
</tr>
<tr>
<td>PHIL 191</td>
<td>Introduction to Ethics</td>
<td></td>
</tr>
<tr>
<td>PHIL 192</td>
<td>Introduction to Philosophy of Religion</td>
<td></td>
</tr>
<tr>
<td>PHIL 193</td>
<td>Introduction to Eastern Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHIL 194</td>
<td>Introduction to Knowledge and Reality</td>
<td></td>
</tr>
</tbody>
</table>

#### 2. American Institutions

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCI 203</td>
<td>American Government</td>
<td>4</td>
</tr>
</tbody>
</table>

#### 3. World Cultures

Four units chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 140</td>
<td>World Civilizations I, the Rise of Civilization</td>
<td>4</td>
</tr>
<tr>
<td>HIST 140</td>
<td>World Civilizations I, the Rise of Civilization</td>
<td>4</td>
</tr>
<tr>
<td>HIST 142</td>
<td>World Civilizations II, the Civilizations of the East and West</td>
<td>4</td>
</tr>
<tr>
<td>HIST 144</td>
<td>World Civilizations III</td>
<td>4</td>
</tr>
</tbody>
</table>

#### 4. Discipline Perspectives

Four units chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 100</td>
<td>Introduction to Anthropology: Human Evolution</td>
<td>4</td>
</tr>
<tr>
<td>ANTH 102</td>
<td>Introduction to Anthropology: Culture and Society</td>
<td>4</td>
</tr>
<tr>
<td>ECON 104</td>
<td>Economics of Social Issues</td>
<td>4</td>
</tr>
<tr>
<td>ES 100</td>
<td>Ethnicity and Race in America</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 100</td>
<td>Introduction to Human Geography</td>
<td>4</td>
</tr>
<tr>
<td>GSS 100</td>
<td>Introduction to Women's Studies</td>
<td>4</td>
</tr>
<tr>
<td>GSS 101</td>
<td>Introduction to Masculinity Studies</td>
<td>4</td>
</tr>
<tr>
<td>GSS 103</td>
<td>Introduction to Lesbian, Gay, Bisexual, and Transgender Studies</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Introduction to Psychology</td>
<td>4</td>
</tr>
<tr>
<td>SOC 100</td>
<td>The Study of Society</td>
<td>4</td>
</tr>
</tbody>
</table>

#### 5. Integrative Capstone in the Social and Behavioral Sciences

Four units chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSCI 300</td>
<td>Nonwestern World</td>
<td>4</td>
</tr>
<tr>
<td>SSCI 304</td>
<td>Contemporary Latin America</td>
<td>4</td>
</tr>
<tr>
<td>SSCI 315</td>
<td>Cultural Adaptation: The Quest for Survival</td>
<td>4</td>
</tr>
<tr>
<td>SSCI 316</td>
<td>Race and Racism (also counts in category G1)</td>
<td>4</td>
</tr>
<tr>
<td>SSCI 320</td>
<td>Understanding Capitalism</td>
<td>4</td>
</tr>
<tr>
<td>SSCI 321</td>
<td>Urbanization and the Urban Environment</td>
<td>4</td>
</tr>
<tr>
<td>SSCI 325</td>
<td>Perspectives on Gender (also counts in category G1)</td>
<td>4</td>
</tr>
<tr>
<td>SSCI 345</td>
<td>Religious Expression in America</td>
<td>4</td>
</tr>
<tr>
<td>SSCI 350</td>
<td>Roots of Modern Racism in America (also counts in category G1)</td>
<td>4</td>
</tr>
</tbody>
</table>

### E. Lifelong Understanding Category (6)

#### 1. The Whole Person - Physical and Physiological Issues

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINE 205</td>
<td>Foundations for Lifetime Fitness and Wellness</td>
<td>2</td>
</tr>
</tbody>
</table>

#### 2. The Whole Person - Social and Psychological Issues

Two units chosen from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 101</td>
<td>Financial Choices in Life</td>
<td>2</td>
</tr>
<tr>
<td>PHIL 101</td>
<td>Moral Choices in Life</td>
<td>2</td>
</tr>
</tbody>
</table>
General Education Program

PSYC 115  Personal and Social Adjustment
SOC 110  Choices in the Life Course

3. Physical Education
Two units chosen from:

- 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

G. Multicultural/Gender Requirement Category (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

Total Units 6

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):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 146</td>
<td>American Civilization</td>
<td>4</td>
</tr>
<tr>
<td>HIST 200</td>
<td>United States History to 1877 (and)</td>
<td>4</td>
</tr>
<tr>
<td>HIST 201</td>
<td>United States History, 1877 to the Present</td>
<td>4</td>
</tr>
<tr>
<td>HIST 540</td>
<td>Constitutional History of the United States</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 203</td>
<td>American Government</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 410</td>
<td>American Constitutional Law</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 411</td>
<td>The Bill of Rights</td>
<td>4</td>
</tr>
</tbody>
</table>

The requirement in U.S. history may be met by completing one of the following:
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 146</td>
<td>American Civilization</td>
<td>4</td>
</tr>
<tr>
<td>HIST 200</td>
<td>United States History to 1877</td>
<td>4</td>
</tr>
<tr>
<td>HIST 201</td>
<td>United States History, 1877 to the Present</td>
<td>4</td>
</tr>
<tr>
<td>HIST 540</td>
<td>Constitutional History of the United States</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 314</td>
<td>American Political Thought</td>
<td>4</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIST 270</td>
<td>California History</td>
<td>4</td>
</tr>
<tr>
<td>HIST 370</td>
<td>History of California</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 203</td>
<td>American Government</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 330</td>
<td>State and Local Politics</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 332</td>
<td>California Government</td>
<td>2</td>
</tr>
</tbody>
</table>

**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.