

GENERAL EDUCATION

	UNIT TOTAL
<p>Area A. Communication and Critical Thinking (12 units) One course from each sub-area: 1. Oral Communication 2. Written Communication 3. Critical Thinking</p>	12
<p>Area B. Mathematics and Natural Sciences (16 units) At least one lecture course from each sub-area, including at least one lab course from sub-area 1 or 2. 1. Physical Science 2. Biological Science 3. Laboratory Activity 4. Mathematics/Quantitative Reasoning 5. Science and Technology Synthesis (upper division)*</p>	16
<p>Area C. Humanities (16 units) At least one course from each sub-area. 1. Fine and Performing Arts 2. Philosophy and Civilization 3. Literature and Foreign Language 4. Humanities Synthesis (upper division)*</p>	16
<p>Area D. Social Sciences (20 units) Two courses in sub-area 1, and at least one course from each of sub-areas 2, 3, and 4. 1. U.S. History, Constitution, American Ideals 2. History, Economics, and Political Science 3. Sociology, Anthropology, Ethnic, and Gender Studies 4. Social Science Synthesis (upper division)*</p>	20
<p>Area E. Lifelong Understanding and Self-Development (4 units)</p>	4

NOTES:

*May be replaced by approved upper-division **Interdisciplinary Synthesis** courses.

INTERDISCIPLINARY GENERAL EDUCATION (IGE) (32 units)

FIRST YEAR

- IGE 120 Consciousness and Community (4)
- IGE 121 Rationalism and Revelation: Ancient World (4)
- IGE 122 Authority and Faith: The Medieval and Renaissance Worlds (4)

SECOND YEAR

- IGE 220 Ways of Knowing: Culture and Contact (4)
- IGE 221 Ways of Coexisting: Reform and Revolution (4)
- IGE 222 Ways of Doing: The Industrial Age (4)

THIRD YEAR

- IGE 223 Ways of Living: The Contemporary World (4)
- IGE 224 Connections Seminar: Exploration and Personal Expression (4)

IGE students will take remaining GE courses from the current approved GE list to complete the total units required.

General Education

Cal Poly Pomona offers students two curriculum patterns to satisfy GE requirements. Students should consult with their major department for advisement regarding selection of a GE pattern.

In the University General Education pattern, which is open to all undergraduates, students select courses in five areas: Communication and Critical Thinking, Mathematics and Natural Sciences, Humanities, Social Sciences, and Lifelong Understanding and Self-development. The University General Education pattern gives students an introduction to a wide variety of disciplines and teaching modes.

The General Education Program at California State Polytechnic University, Pomona is organized into the following distribution areas.

Area A. Communication and Critical Thinking (12 units)

One course from each sub-area:

1. Oral Communication
2. Written Communication
3. Critical Thinking

Area B. Mathematics and Natural Sciences (16 units)

At least one course from each sub-area, including at least one lab course from sub-area 1 or 2.

1. Physical Science
2. Biological Science
3. Laboratory Activity
4. Mathematics/Quantitative Reasoning
5. Science and Technology Synthesis (upper division)

Area C. Humanities (16 units)

At least one course from each sub-area.

1. Fine and Performing Arts
2. Philosophy and Civilization
3. Literature and Foreign Language
4. Humanities Synthesis (upper division)

Area D. Social Sciences (20 units)

Two courses in sub-area 1, and at least one course from each of sub-areas 2, 3, and 4.

1. U.S. History, Constitution, American Ideals
2. History, Economics, and Political Science
3. Sociology, Anthropology, Ethnic, and Gender Studies
4. Social Science Synthesis (upper division)

Area E. Lifelong Understanding and Self-Development (4 units)

Interdisciplinary General Education

First-time freshmen exempt from, or with a score of 151 or greater on, the EPT may choose the Interdisciplinary General Education Program (IGE), an integrated sequence of eight courses that satisfies 32 units of the University GE requirements. The IGE curriculum explores human experience from the multiple perspectives of different disciplines and cultures.

Many courses are team-taught by faculty from complementary fields, providing students with an introduction to the complexities of different academic disciplines as well as exposure to a variety of teaching styles. The IGE Arts Package offers a set of theater, music, and other experiences that augment the curriculum and build the community.

Interdisciplinary Synthesis Courses

An interdisciplinary synthesis course integrates two or more of the Areas B, C, and D. Prior to taking one of these courses, students must complete all lower-division courses in Area A and at least two sub-areas from the areas being integrated by an interdisciplinary synthesis course.

Each interdisciplinary synthesis course can be used to satisfy the requirement in any one of the areas integrated. For example, a B4/D4 course satisfies either B4 or D4 (not both areas). Students must fulfill all three synthesis areas (mathematics/natural science, humanities, and social sciences).

General Education-Approved Coursework

Courses are approved by the Campus Academic Senate by area to meet the university general education program requirements. Coursework in General Education should not be taken without a specific curricular goal. Many degree programs recommend specific GE courses which also meet their degree requirements. Such departments will list these courses in their degree curriculum layouts and in their catalog section. Special Topics courses (those numbered 499) are not eligible for GE credit. Students should consult with advisors in their major department. Undeclared students should consult with the staff of the Student Support and Equity Programs office, Building 94, Room 121.

Courses listed as a sequence should be taken in order. For example, in the sequence MAT 114-115, MAT 114 should be completed before taking MAT 115. Each course in the sequence counts as one course toward meeting general education requirements.

Transfer and Change of Major Students and GE Certification

Community college transfer students and Cal Poly Pomona students who change their major should be aware that many courses on the Cal Poly Pomona General Education list are also major department entrance or prerequisite requirements and will still have to be taken to meet degree requirements. Therefore, even if they may be certified by their community colleges as having met all (or most) CSU lower division general education requirements, or have met GE requirements prior to change of major, they may need to take additional courses to satisfy prerequisites for the major. For example, students may have met the quantitative reasoning requirement by taking a trigonometry course at the community college, or at Cal Poly Pomona, and be so certified. This will not meet the calculus requirement for engineering, which also meets the Cal Poly Pomona GE quantitative reasoning requirement. Calculus will still have to be taken. Such "excess" coursework will be given as "elective credit." Some transfer students without a complete GE certification may be partially certified by their community colleges as having met the CSU General Education quantitative reasoning requirement with coursework which does not meet the Cal Poly Pomona Mathematics proficiency requirement. Such students will also have to take coursework to meet this graduation requirement.

General Education-Course Lists

Certain professional programs include GE course patterns not listed here. Students should consult the curriculum of the specific major to identify the exact GE requirement for the major. The symbol (+) indicates that a course may be taken on a credit/no credit basis. Please refer to the corresponding major section in this catalog for prerequisites and a detailed description of general education courses listed below.

AREA A-Communication and Critical Thinking (12 units)

Students must take one course from each sub-area.

1. Oral Communication
 - Public Speaking COM 100 (4)
 - Advocacy and Argument COM 204 (4)
2. Written Communication
 - Freshman English I ENG 104 (4)

(It is strongly recommended that speakers of English as a second language take ENG 102 and ENG 103 in place of ENG 104.)

3. Critical Thinking			
Freshman English II	ENG	105	(4)
Critical Thinking	PHL	202	(4)

AREA B—Mathematics and Natural Science (16 units)

To fulfill all B area requirements, students must take at least one course from each sub-area, for a total of 16 units.

1. Physical Science

CHM 121/121L General Chemistry	(4)
CHM 122/122L General Chemistry	(4)
CHM 123/123L General Chemistry	(4)
GEO 101 Physical Geography	(4)
+GSC 111 Principles of Geology	(4)
+GSC 112 Earth, Time, and Life	(3)
+GSC 116 Astronomy of the Universe	(4)
+GSC 120 Introduction to Oceanography	(4)
+GSC 141L Principles of Geology Laboratory	(1)
+GSC 151L Earth, Time, and Life Laboratory	(1)
+PHY 102 Fundamentals of Physics	(4)
PHY 121/121L College Physics	(4)
PHY 131/131L General Physics	(4)

2. Biological Sciences

BIO 110 Life Science	(3)
BIO 111L Life Science Laboratory	(1)
BIO 115/115L Basic Biology	(5)
BIO 121/121L Foundations of Biology: Energy and Matter - Cycles and Flows	(4)

3. Laboratory Activity

Laboratory classes are marked with an “L” following the course number. At least one laboratory class from areas B1 or B2 must be taken to fulfill the B3 requirement.

4. Mathematics/Quantitative Reasoning

Students must meet all course prerequisites before enrolling in any mathematics or statistics course.

MAT 106 Trigonometry	(4)
MAT 114 Analytic Geometry and Calculus I	(4)
MAT 115 Analytic Geometry and Calculus II	(4)
MAT 116 Analytic Geometry and Calculus III	(4)
MAT 120 Calculus for the Life Sciences	(4)
MAT 125 Introductory Calculus for Business	(4)
MAT 130 Technical Calculus	(4)
MAT 191 Survey of Mathematics	(4)
MAT 194 Mathematical Concepts for Elementary School Teachers: Number Systems*	(4)
STA 120 Statistics with Applications	(4)

*Recommended for students who plan to meet state requirements for elementary school teachers. Students must complete MAT 194, MAT 394, MAT 395, and MAT 494 to meet the GE Area B4 requirement.

5. Science and Technology Synthesis (upper division)

Students must complete all GE lower-division requirements in Areas A and B before they take any B5 synthesis course. Select at least 4 units of coursework from the following list:

AG/BUS/EGR/SCI 481 Project Design Principles and Applications	(2)
AG/BUS/EGR/SCI 482 Project Design Principles and Applications	(2)
*ANT 350 Environment, Technology and Culture	(4)

ANT 491 Forensic Anthropology	(4)
AVS 311 The Animal Industry and Society	(4)
AVS 333 The Feline and Canine Compendium	(4)
BIO 300 Genetics and Human Issues	(4)
BIO 301 Human Sexuality	(4)
BIO 302 Biology of Cancer	(4)
BIO 304 Environment and Society	(4)
BIO 309 Biology of the Brain	(4)
BIO 311 Sexually Transmitted Diseases: Current Issues	(4)
BIO 328 The Biology of Human Aging	(4)
BIO 330/330L Marine Biology	(4)
BIO 340 Biodiversity Conservation	(4)
BOT 307/307A Plants and People	(4)
*CS 375 Computers and Society	(4)
*EC 441 Industry Studies	(4)
*EGR 402 Ethical Considerations in Technology and Applied Science	(4)
*EGR/BUS 403 Asset Allocation in Technical Decision Making	(4)
*EGR/EIS/SCI 475 Beyond Curie: Women in Mathematics, Science and Engineering	(4)
*EWS 425 Gender, Identity & Technology	(4)
FN 305 Nutrition, Science and Health	(4)
GEO 303 Climatology	(4)
*GEO 351 Geography of California	(4)
GSC 304 Meteorology	(4)
GSC 320 Studies of a Blue Planet	(4)
GSC 321/321L Engineering Geology I/Laboratory	(4)
GSC 335 Exploring the Oceans: Oceanography	(4)
GSC 350 Natural Disasters	(4)
KIN 301 Foundations of Exercise Science	(4)
KIN 365 Science of Physical Aging	(4)
*KIN 370 Stress Management	(4)
MIC 301 Germs & You	(4)
*MU 310 History of Technology in Music	(4)
*PHL 433 Bioethics	(4)
*PHL 453 Cognitive Science	(4)
PHL 483 Philosophy of Science	(4)
PHY 301 Energy & Society	(4)
PHY 302 Physics of Everyday Experience	(4)
PHY 303 The Universe in 10 Weeks	(4)
PHY 306 History of Physics	(4)
PLT 300 Insects and Civilization	(4)
PLT 311 Plants and Civilization	(4)
*PSY 326 Health Psychology	(4)
RS 301 Life Support Processes	(4)

*These interdisciplinary courses fulfill units in more than one of the three required GE Synthesis areas. All students are required to complete three different Synthesis courses that cover the three required GE Synthesis areas.

For Liberal Studies Major Pre-Credential Subplans only: Required for students who plan to meet state requirements for elementary school teachers and for precredential subplan in Liberal Studies. The following courses are to be taken in sequence. Students must take all courses listed in order to meet General Education requirements. See departmental advisor for more information.

BIO 110 Life Science	(4)
MAT 191 Survey of Mathematics	(4)
MAT 194 Mathematical Concepts for Elementary School Teachers: Number Systems	(4)
SCI 210/210L Physics Concepts and Activities	(4)
SCI 211/211L Chemical Sciences	(4)
SCI 212/212L Earth Sciences	(4)

AREA C—Humanities (16 units)

Students are required to take at least one course from each sub-area. A minimum of 16 units must be completed. See also the Interdisciplinary General Education Program (IGE) Section, which is the pattern recommended for students in Engineering and Architecture.

1. Fine and Performing Arts

ART 110 The Visual Arts	(4)
ART 212 History of Western Art (Part I)	(4)
ART 213 History of Western Art (Part II)	(4)
ART 214 History of Western Art (Part III)	(4)
ART 216 History of Asian Art	(4)
COM 280 Understanding and Appreciating the Photographic Image	(4)
DAN 202 World Dance and Cultures	(4)
DAN 230 Live Dance Appreciation	(4)
ENV 115/115A History of Art and Design	(4)
MU 100 Introduction to Music	(4)
MU 101 Music Appreciation	(4)
MU 103 World of Music	(4)
MU 207 History of American Popular Music	(4)
PLT 214 History of Garden Art	(4)
TH 125/125A Introduction to Acting	(4)
TH 203 Introduction to the Theater	(4)
TH 208 Introduction to Film and American Culture	(4)
URP 104 Evolution of Cities	(4)

2. Philosophy and Civilization

ANT 112 World Cultures via the World Wide Web	(4)
HST 101 History of World Civilization: The Ancient Period	(4)
HST 102 History of World Civilization: The Middle Period	(4)
HUM 201 Introduction to the Humanities	(4)
PHL 201 Introduction to Philosophy	(4)
PHL 204 Ethical Problems of Contemporary Life	(4)
PHL 205 Business and Professional Ethics	(4)
PHL 206 Philosophy Through Children's Literature	(4)
PHL 220 Religions of the World	(4)
PHL 221 Introduction to Religious Studies	(4)

3. Literature and Foreign Languages

ANT 104 Introduction to Linguistic Anthropology	(4)
ENG 201 Introduction to Modern Fiction	(4)
ENG 202 Introduction to Poetry or Modern Drama	(4)
ENG 203 Introduction to Shakespeare	(4)
ENG 205 Black Literature in America	(4)
ENG 206 Introduction to Contemporary Literature	(4)
ENG 207 Survey of British Literature I	(4)
ENG 208 Survey of British Literature II	(4)
ENG 211 Survey of American Literature I	(4)
ENG 212 Survey of American Literature II	(4)
ENG 213 Ethnic Literatures of the U.S.	(4)
ENG 215 Latino Literature in America	(4)
ENG 216 The Bible as Literature	(4)
ENG 217 World Literature I	(4)
ENG 218 World Literature II	(4)
ENG 222 The Literature of Science Fiction	(4)
ENG 235 War and Peace in Literature	(4)
ENG 240 Women Writers	(4)
FL 101 Elementary French I	(4)
FL 102 Elementary French II	(4)
FL 103 Elementary French III	(4)
FL 111 Elementary German I	(4)
FL 112 Elementary German II	(4)
FL 113 Elementary German III	(4)

FL 171 Elementary Chinese I	(4)
FL 172 Elementary Chinese II	(4)
FL 173 Elementary Chinese III	(4)
FL 201 Intermediate French	(4)
FL 202 Intermediate French Reading	(4)
FL 211 Intermediate German	(4)
FL 212 Intermediate German Reading	(4)
SPN 151 Elementary Spanish I	(4)
SPN 152 Elementary Spanish II	(4)
SPN 153 Elementary Spanish III	(4)
SPN 154 Spanish for Spanish Speakers I	(4)
SPN 250 Spanish for Spanish Speakers II	(4)
SPN 251 Intermediate Spanish	(4)
SPN 252 Intermediate Spanish Reading	(4)
SPN 253 Intermediate Spanish Conversation	(4)
SPN 254 Intermediate Spanish Composition	(4)

4. Humanities Synthesis (upper division)

Students must complete all GE lower-division requirements in Areas A and C before they take any C4 synthesis course. Select one course from the following list or see the quarterly Schedule of Classes for approved courses:

*AG 401 Ethical Issues in Food, Agricultural and Apparel Industries	(4)
ANT 353 Language and Culture	(4)
*ANT 360 Magic, Shamanism, and Religion	(4)
ART 305 Gender and Western Art	(4)
BUS/CLS 362 International Field Studies	(4)
*BUS 483/CLS 482 International Destinations and the U.S.: Cross-Cultural Analysis	(4)
*COM 314 Organizational Communication Theory	(4)
DAN 446 History of Dance and Its Artistic/Cultural Influences	(4)
*DAN 449 Dance in Contemporary Culture	(4)
*EC 417 Socioeconomics of War and Peace	(4)
*EGR 402 Ethical Considerations in Technology and Applied Science	(4)
ENG 403 Shakespeare Before 1600	(4)
EWS 375 Gender, Ethnicity, and Film	(4)
*EWS 403 Native American Contemporary Issues	(4)
*EWS 407 Diverse Sexual and Gender Identities	(4)
*EWS 441 Women, Health, and Social Justice	(4)
*EWS 450 Multiracial and Hybrid Identities	(4)
*EWS 451 Ethnicity, Identity, and Diaspora	(4)
HST 370 History of California	(4)
*HST 406 Women in the United States	(4)
*HST 408 History of American Science and Technology	(4)
*HST 409 War and American Society	(4)
HST 413 Religion in American Society	(4)
HST 415 American Intellectual History	(4)
*HST 421 The Scientific Revolution	(4)
*HST 423 Modern Science in World History	(4)
*HST 433 Nonviolence in the Modern World	(4)
IGE 320 Visions of Science and Technology	(4)
*MU 310 History of Technology in Music	(4)
MU 425 Life and Death in the Arts	(4)
PHL 301 Philosophy of the Arts	(4)
PHL 340 Current Debates About Sexuality	(4)
PHL 415 Confrontations with the Reaper	(4)
*PHL 420 Philosophical Issues in the Law	(4)
*PHL 433 Bioethics	(4)
*PHL 453 Cognitive Science	(4)
*PHL 481 Race and Racism in Western Thought	(4)
*RS 303 Organization of Regenerative Practices	(4)

*RS 450 Sustainable Communities (4)
 TH 301 Through Artists' Eyes: Visions of World Artists (4)
 TH 410 Theatrical Pursuit of an American Ideology (4)
 *TH 425/425A Community-based Theatre (4)

*These interdisciplinary courses fulfill units in only one of the three required GE Synthesis areas. All students are required to complete three different Synthesis courses that cover the three required GE Synthesis areas.

Area D. Social Sciences (20 units)

Students must take two courses in sub-area 1, and at least one course from each of sub-areas 2, 3, and 4. See also the Interdisciplinary General Education Program (IGE) section, which is the recommended pattern for most students in engineering and architecture.

1. U.S. History, Constitution, and American Ideals (8 units)

HST 202 United States History (4)
 PLS 201 Introduction to American Government (4)

2. History, Economics, and Political Science

AG 101 Agriculture and the Modern World (4)
 AMM 245 Consumerism: Impact and Issues (4)
 EC 201 Principles of Economics (4)
 EC 202 Principles of Economics (4)
 HST 103 History of Civilization: The Modern World (4)
 HST 201 United States History (4)
 IA 101 Global Resources for Food (4)
 PLS 202 Introduction to Comparative Politics (4)
 PLS 203 Introduction to International Relations (4)

3. Sociology, Anthropology, Ethnic and Gender Studies

AMM 108 Culture, People and Dress (4)
 AMM 120 Introduction to Family Issues (4)
 ANT 102 Introduction to Cultural Anthropology (4)
 COM 270 Media, Politics, Sex, and Violence (4)
 EWS 140 Introduction to Ethnic Studies (4)
 EWS 145 Introduction to the Study of Women and Men in Society (4)
 EWS 201 African American Experience (4)
 EWS 202 Chicano/Latino Experience (4)
 EWS 203 Native American Experience (4)
 EWS 204 Asian American Experience (4)
 FN 228 Food and Culture (4)
 FRL 101 Law for Everyday Living (4)
 GEO 102 Human Geography (4)
 KIN 449 Play, Games, and Sport (4)
 SOC 201 Principles of Sociology (4)
 SOC 206 Family Relations (4)
 SSC 101 Introduction to Social Sciences (4)
 SW 300 Survey of Social Welfare (4)

4. Social Science Synthesis (upper division)

Students must complete all GE lower-division requirements in Areas A and D before they take any D4 synthesis course. Select one course from the following list or see the quarterly Schedule of Classes for approved courses:

*AG 401 Ethical Issues in Food, Agricultural and Apparel Industries (4)
 ANT 320 Native Peoples of California (4)
 *ANT 350 Environment, Technology and Culture (4)
 *ANT 360 Magic, Shamanism, and Religion (4)
 ANT 379 Cultural Areas of the World (4)
 BUS/CLS 452 Politics, Economics, Law, and Business Practice in International Destinations (4)
 *BUS 483/CLS 482 International Destinations

and the U.S.: Cross-Cultural Analysis (4)
 BUS/CLS 492 International Communications Consultancy Instruction (4)
 *COM 314 Organizational Communication Theory (4)
 COM 327 Intercultural Communication (4)
 COM 413 Public Opinion, Propaganda and Mass Media (4)
 COM 423 Political Economy of Mass Communication (4)
 *CS 375 Computers and Society (4)
 *DAN 449 Dance in Contemporary Culture (4)
 *EC 417 Socioeconomics of War and Peace (4)
 EC/PLS 420 Politics of Greed and Need (4)
 *EC 441 Industry Studies (4)
 EC 442 Economywide Country Studies (4)
 EGR 322 California Land and Boundaries Law (4)
 *EGR/BUS 403 Asset Allocation in Technical Decision Making (4)
 EGR/BUS 445 Role of Design Professionals in Society (4)
 *EGR/EIS/SCI 475 Beyond Curie: Women in Mathematics, Science and Engineering (4)
 EWS 370 Women and Law (4)
 EWS 380 Women in Global Perspective (4)
 EWS 401 African American Contemporary Issues (4)
 EWS 402 Chicano/Latino Contemporary Issues (4)
 *EWS 403 Native American Contemporary Issues (4)
 EWS 404 Asian American Contemporary Issues (4)
 *EWS 407 Diverse Sexual and Gender Identities (4)
 *EWS 425 Gender, Identity and Technology (4)
 EWS 431 Ethnicity, Gender, and Religion (4)
 *EWS 441 Women, Health, and Social Justice (4)
 EWS 445 Multiethnic Heritage of California (4)
 *EWS 450 Multiracial and Hybrid Identities (4)
 *EWS 451 Ethnicity, Identity, and Diaspora (4)
 EWS 452 Ethnicity, Race, and Sexuality (4)
 *GEO 351 Geography of California (4)
 HST 324 Europe 1789 to 1850: Revolution and Reaction (4)
 HST 337 Latin America Since 1900 (4)
 *HST 406 Women in the United States (4)
 *HST 408 History of American Science and Technology (4)
 *HST 409 War and American Society (4)
 *HST 421 The Scientific Revolution (4)
 *HST 423 Modern Science in World History (4)
 *HST 433 Nonviolence in the Modern World (4)
 *KIN 370 Stress Management (4)
 *MU 310 History of Technology in Music (4)
 *PHL 420 Philosophical Issues in the Law (4)
 *PHL 481 Race and Racism in Western Thought (4)
 PLS 328 California Government (4)
 PLS 381 The Grizzly Bear (4)
 PLS 382 Politics, Policies, Pop Culture (4)
 PSY 325 Multicultural Psychology (4)
 *PSY 326 Health Psychology (4)
 PSY 455 Human Sexual Behavioral Relationships (4)
 RS 302 Global Regenerative Systems (4)
 *RS 303 Organization of Regenerative Practices (4)
 *RS 450 Sustainable Communities (4)
 SOC 301 Social Problems (4)
 SOC/KIN 451 Social Inequality and Sport (4)
 *TH 425/425A Community-based Theatre (4)
 URP 475 Cities in a Global Economy (4)

*These interdisciplinary courses fulfill units in only one of the three required GE Synthesis areas. All students are required to complete three different Synthesis courses that cover the three required GE Synthesis areas.

Area E. Lifelong Understanding and Self-development (4 units)

- ANT 201 Human Nature/Human Affairs: A Biocultural View (4)
- AVS 211 Drugs and Society. (4)
- CLS 101/101A Freshman Experience (3/1)
- FN 203 Health, Nutrition, and the Integrated Being. (4)
- HRT 255 The Healthy American Cuisine (4)
- KIN 207 Personal Health (4)
- PSY 201 General Psychology (4)
- PSY 210 Mind, Brain, and Behavior: An Integrated View (4)
- SCI 101/101A and SCI 102/102A Science and Mathematics: Freshman Experience I and II. (1/1)
- SCI 110/110A and SCI 111/111A Success in Science I and II (1/1)

Interdisciplinary Synthesis Courses

These courses will satisfy the requirement in one of subareas: B5, C4, D4. Students must complete all lower-division courses in Area A and relevant subareas before they take an Interdisciplinary Synthesis course.

Select one course from the following list or see the quarterly Schedule of Classes for approved courses:

- AG 401 Ethical Issues in Food, Agricultural and Apparel Industries (fulfills Area C4 or D4) (4)
- ANT 350 Environment, Technology and Culture (fulfills Area B5 or D4). (4)
- ANT 360 Magic, Shamanism, and Religion (fulfills Area C4 or D4) (4)
- BUS 483/CLS 482 International Destinations and the U.S.: Cross-Cultural Analysis (fulfills Area C4 or D4) (4)
- COM 314 Organizational Communication Theory (fulfills Area C4 or D4) (4)
- CS 375 Computers and Society (fulfills Area B5 or D4). (4)
- DAN 449 Dance in Contemporary Culture (fulfills Area C4 or D4). (4)
- EC 417 Socioeconomics of War and Peace (fulfills Area C4 or D4). (4)
- EC 441 Industry Studies (fulfills Area B5 or D4) (4)
- EGR 402 Ethical Considerations in Technology and Applied Science (fulfills Area B5 or C4) (4)
- EGR/BUS 403 Asset Allocation in Technical Decision Making (fulfills Area B5 or D4). (4)
- EGR/EIS/SCI 475 Beyond Curie: Women in Mathematics, Science and Engineering (fulfills Area B5 or D4). (4)
- EWS 403 Native American Contemporary Issues (fulfills Area C4 or D4) (4)
- EWS 407 Diverse Sexual and Gender Identities (fulfills Area C4 or D4). (4)
- EWS 425 Gender, Identity and Technology (fulfills Area B5 or D4) (4)
- EWS 441 Women, Health, and Social Justice (fulfills Area C4 or D4) (4)
- EWS 450 Multiracial and Hybrid Identities (fulfills Area C4 or D4). (4)
- EWS 451 Ethnicity, Identity, and Diaspora (fulfills Area C4 or D4) (4)
- GEO 351 Geography of California (fulfills Area B5 or D4) (4)
- HST 406 Women in the United States (fulfills Area C4 or D4). (4)
- HST 408 History of American Science and Technology (fulfills Area C4 or D4) (4)
- HST 409 War and American Society (fulfills Area C4 or D4) (4)
- HST 421 The Scientific Revolution (fulfills Area C4 or D4) (4)
- HST 423 Modern Science in World History (fulfills Area C4 or D4). (4)
- HST 433 Nonviolence in the Modern World (fulfills Area C4 or D4) (4)
- KIN 370 Stress Management (fulfills Area B5 or D4). (4)
- MU 310 History of Technology in Music (fulfills Area B5 or C4 or D4) (4)
- PHL 420 Philosophical Issues in the Law (fulfills Area C4 or D4). (4)
- PHL 433 Bioethics (fulfills Area B5 or C4). (4)
- PHL 453 Cognitive Science (fulfills Area B5 or C4). (4)
- PHL 481 Race, Racism, and Justice (fulfills Area C4 or D4) (4)

- PSY 326 Health Psychology (fulfills Area B5 or D4) (4)
- RS 303 Organization of Regenerative Practices (fulfills Area C4 or D4). (4)
- RS 450 Sustainable Communities (fulfills Area C4 or D4) (4)
- TH 425/425A Community-based Theatre (fulfills Area C4 or D4) (4)

INTERDISCIPLINARY GENERAL EDUCATION (IGE) (32 units)

The Interdisciplinary General Education curriculum provides an integrated approach to learning about literature, humanities, social sciences, and the arts. IGE is an alternative pattern to satisfy 32 units of the University GE requirements. Students should see an advisor for specific GE coursework required by their major. Students must be exempt from or score at least 151 on the EPT to qualify for IGE.

The eight course sequence has the following common goals:

Learning Outcomes

1. Communication skills and critical thinking.
2. Development of historical and social consciousness.
3. Multicultural understanding.
4. Understanding and appreciation of aesthetic experiences.
5. Understanding and articulation of values.
6. Information competency.
7. Independent integration of knowledge and experience through active student learning.

Students must complete at least two courses in an IGE yearly sequence to earn general education credit. Single IGE classes do not fulfill GE requirements. Students who choose to leave IGE and complete the University General Education pattern are advised to do so at the end of a yearly sequence, e.g. after IGE 122 or IGE 222. Students leaving IGE should seek advisement on how to fulfill remaining general education requirements.

The IGE program is open to any qualified student or undergraduate department wishing to adopt it as an option, and is the recommended pattern for Engineering, Architecture, and Liberal Studies majors. Students may substitute AP credit for up to 2 courses in the IGE Program. For more information, see departmental advisors or the IGE Program Chair.

Please refer to the University Programs section in this catalog for IGE course descriptions.

FIRST YEAR

- IGE 120 Consciousness and Community. (4)
- IGE 121 Rationalism and Revelation: The Ancient World (4)
- IGE 122 Authority and Faith: The Medieval and Renaissance Worlds. . (4)

SECOND YEAR

- IGE 220 Ways of Knowing: Culture and Contact (4)
- IGE 221 Ways of Coexisting: Reform and Revolution (4)
- IGE 222 Ways of Doing: The Industrial Age (4)

THIRD YEAR

- IGE 223 Ways of Living: The Contemporary World (4)
- IGE 224 Connections Seminar: Exploration and Personal Expression . . (4)

How IGE fulfills General Education Requirements

Year	Completion of IGE Courses	Satisfies GE Requirements
Freshman	IGE 120, IGE 121, IGE 122	A2 as well as any 2 courses from C1-C3
Sophomore	IGE 220, IGE 221, IGE 222	D1 (8 units) and D3
Junior	IGE 223, IGE 224 and all courses above.	D2 and Area E

Remaining GE to be completed. See your major department for advisement.

- Areas A1 and A3
- Area B (16 units)
- Area C4 and remaining course from C1, C2 or C3
- Area D4

AMERICAN CULTURAL PERSPECTIVES REQUIREMENT

The American Cultural Perspectives Requirement is a graduation requirement. Courses satisfying this requirement may be part of either a student's General Education program, major, or minor. These courses may also be taken as electives. This requirement will not constitute an additional unit load on the degree requirements of students in any program. This requirement was implemented fall quarter, 1995.

To satisfy this requirement a student must take at least one four-unit course. Courses that meet the American Cultural Perspectives Requirement should satisfy all of the following criteria:

Introduce theoretical perspectives and nonwestern/nontraditional approaches for studying gender, ethnicity, and class.

Include the study of at least one other marker of social difference, such as sexual orientation, religious affiliation, national origin, etc.

Include substantive materials (books/films/lectures/articles/etc.) by and/or about members of at least two of the following socio-cultural groups: African Americans, Native Americans, Chicano/Latino Americans, Asian Americans, Pacific Islands Americans, Middle Eastern Americans, and European/white ethnic Americans.

Address intra-cultural differences as well as inter-cultural commonalities between groups that collectively represent the American population. The commonalities and differences may be examined by focusing on diverse cultural practices, environmental ethics, political histories, religious beliefs, or means of artistic expression.

The following courses have been approved to satisfy this requirement:

ANT 102 Introduction to Cultural Anthropology	4
ANT 333 Varieties of American Culture	4
ART 310 Art of the United States	4
ENG 212 Survey of American Literature II	4
ENG 213 Ethnic Literatures of the U.S.	4
ENG 334 Literatures of the Third World	4
ENV 355 Community Exhibition and Performance Spaces	4
ENV 422 Designing for the Elderly and Disabled	4
ENV 423 Design for Children and Accessibility	4
ENV 489 Community Design and Social Change	4
EWS 140 Introduction to Ethnic Studies	4
EWS 145 Study of Women and Men in Society	4
EWS 290 Multicultural Leadership	4
EWS 360 Cultures of Childhood	4
EWS 375 Gender, Ethnicity, and Film	4
EWS 390 Ethnic Women.	4
EWS 410 Ethnicity, Gender, and the Arts	4
EWS 411 Diversity, Education, and the Arts	4
EWS 420 Gender, Ethnicity, and Class	4
EWS 430 Ethnic Thought and Values	4
EWS 431 Ethnicity, Gender, and Religion	4
EWS 445 Multiethnic Heritage of California	4
EWS 450 Multiracial and Hybrid Identities.	4
FN 228 Food and Culture	4
HST 202 United States History	4
HST 345 America Comes of Age, 1890-1945	4
HST 347 The U. S. Since 1945.	4

IGE 220-222 completion of second year sequence	12
KIN 450 Role of Sport in Contemporary Society	4
KIN 469 History of Women in Sport	4
MHR 318 Organizational Behavior in a Multicultural Environment	4
PLS 323 American Ethnic Politics	4
PSY 325 Multicultural Psychology.	4
SOC 323 Sociology of Minority Communities.	4
URP 332/332L Applied Demography for Planning.	4
URP 411 Evolution of American Cities and the Planning Movement.	4

