

GENERAL EDUCATION

GENERAL EDUCATION PROGRAM (GE) (Referred to as Track B in previous catalogs)		INTERDISCIPLINARY GENERAL EDUCATION PROGRAM (IGE)	
AREA	UNIT TOTAL (72 units)		UNIT TOTAL (72 units)
1. <b>Communication in the English Language</b> 3 courses, 12 units	12	<b>FIRST YEAR</b>	12
2. <b>Science &amp; Mathematics</b> 4 courses: 1 each from Subareas A, B, C, D; D must be upper division. 4 courses, 16 units	16	IGE 120 Consciousness and Community (4)	
3. <b>Humanities &amp; Social Sciences</b> Arts, Literature, Philosophy & Foreign Languages 3 courses--1 per area, 12 units	28	IGE 121 Rationalism and Revelation: The Ancient World (4)	
Social, Political & Economic Institutions and Their Historical Background 3 courses--1 per area, 12 units.		IGE 122 Authority and Faith: The Medieval and Renaissance Worlds (4)	
Integrated Being 1 course, 4 units		<b>SECOND YEAR</b>	12
4. <b>U.S. History, Constitution &amp; Ideals</b> 2 courses, 8 units.	8	IGE 220 Ways of Knowing: Culture and Contact (4)	
5. <b>Breadth</b> 2 upper division courses, both elected outside student's major 2 courses, 8 units	8	IGE 221 Ways of Coexisting: Reform and Revolution (4)	
NOTES:		IGE 222 Ways of Doing: The Industrial Age (4)	
Provisions for IGE remain; IGE students will complete the 72-unit requirement in GE program.	8	<b>THIRD YEAR</b>	8
Track A has been discontinued as of Fall 1999.		IGE 223 Ways of Living: The Contemporary World (4)	
	8	IGE 224 Connections Seminar: Exploration and Personal Expression (4)	

**General Education-Unit Distribution**

The General Education Program at California State Polytechnic University, Pomona shall be organized into the following distribution areas:

1. Communication in the English Language. Three (3) courses, 12 units (one course in Area A, B, and C)
2. Science and Mathematics. Four (4) courses, one (1) each from subareas A, B, C, D; D must be upper-division. Sixteen (16) units.
3. Humanities & Social Sciences:
  - A. Arts, Literature, Philosophy & Foreign Languages, three (3) courses, one (1) per subarea.
  - B. Social, Political & Economic Institutions and their Historical Background, three (3) courses, one (1) per subarea. Twelve (12) units
  - C. Integrated Being. One (1) course, four (4) units.
4. U.S. History, Constitution & Ideals. Two (2) courses, eight (8) units.
5. Breadth. Two (2) upper-division courses, both elected outside student's major. Eight (8) units.

**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. Students should consult with their departmental degree advisors or with the staff of the University Advising Centers. Many degree programs specify which university approved courses meet their more specific degree requirements. Such departments will list approved courses in their degree curriculum layouts and in their catalog section.

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.

**Interdisciplinary General Education (IGE)**

The Interdisciplinary General Education Program addresses the need for an integrated approach to curriculum, teaching, and scholarship and the creation of an extended learning community. As of July, 1994, the IGE Program is a part of the new College of Education and Integrative Studies, which shares these goals.

Students should also consult the coursework list for the Interdisciplinary General Education (IGE) Program. This program is open to any department wishing to adopt it as an option, and provides an integrative-thematic approach to the Humanities and Social Sciences components of General Education (areas 1, 3, and 4) for a total 32 units of the 48 lower-division units required. This program is designed as a two and one-half year program in which the participant studies both major coursework as well as courses designed to partially meet the University General Education requirement. Applicants for this program must take the EPT (score of 151 or better) or have this test waived because of other test scores (e.g., SAT, ACT, etc).

It is also recommended to all other students in the Colleges of Agriculture, Business Administration, Environmental Design, and Science. See departmental advisors or Program Director.

**Transfer and Change of Major Students and General Education Certification**

Community college transfer students and Cal Poly Pomona change of major students are advised that, while 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, 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. For example, students may have met the quantitative reasoning requirement by taking an algebra 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 may be 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 corresponding major section in this catalog for prerequisites and detailed description of general education courses listed below.

**AREA 1-Communication in the English Language (12 units)**

Take one course in Area A, B, and C.

**A. Written Communication**

Freshman English I . . . . . ENG 104 (4)

(All speakers of English as a second language who have not achieved the minimum EPT score for ENG 104 must take ENG 102 and ENG 103 in place of ENG 104.)

**B. Oral Communication**

Public Speaking . . . . . COM 100 (4)  
 Advocacy and Argument . . . . .COM 204 (4)

**C. Critical Thinking**

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

**AREA 2-Science and Mathematics (16 units)**

Students are required to take at least one lower division (100 or 200-level) course from Sections A, B, and C. Students must take an upper division course in math or science to fulfill Section D. At least one laboratory course from Sections B or C is also required. Laboratory classes are marked with an "L" following the course number. Students must meet both ELM and MDT course prerequisites before enrolling in any mathematics or statistics course.

**A. Mathematics**

Students must meet both ELM and MDT 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 II . . . . . (4)  
 MAT 120 Calculus for the Life Sciences. . . . . (4)  
 MAT 125 Introductory Calculus for Business . . . . . (4)  
 MAT 130 Technical Calculus . . . . . (4)

MAT 137 Survey of Geometry . . . . .	(4)
MAT 191 Survey of Mathematics . . . . .	(4)
STA 120 Statistics with Applications . . . . .	(4)

### B. The Physical Sciences

CHM101/101L Consumer Chemistry . . . . .	(4)
CHM 121/121L General Chemistry . . . . .	(4)
CHM 122/122L General Chemistry . . . . .	(4)
CHM 123/123L General Chemistry . . . . .	(4)
GEO 101 Physical Geography . . . . .	(4)
+GSC 101 The Earth Revealed . . . . .	(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 104L Conceptual Physics Laboratory . . . . .	(1)
PHY 105/105L Physics of Musical Sound . . . . .	(4)
PHY 115/115L Physics Concepts: A Hands-on Approach . . . . .	(4)
PHY 121 College Physics . . . . .	(3)
PHY 131 General Physics . . . . .	(3)
PHY 121L College Physics Laboratory . . . . .	(1)
PHY 131L General Physics Laboratory . . . . .	(1)

### C. The Life Sciences

BIO 110 Life Science . . . . .	(3)
BIO 111L Life Science Laboratory . . . . .	(1)
BIO 115/115L Basic Biology . . . . .	(5)

### D. Science, Technology and Civilization

Students must take an upper division course from the following list to fulfill Section D.

AGB 300 Insects and Civilization . . . . .	(4)
AGR 311 Plants and Civilization . . . . .	(4)
ANT 350 Environment, Technology, and Culture . . . . .	(4)
AVS 300 Animal Issues in Science and Society . . . . .	(4)
AVS 311 The Animal Industries and Society . . . . .	(4)
BIO 330/330L Marine Biology . . . . .	(4)
CS 475 Computers and Society . . . . .	(4)
EC 429 Seminar in Natural Resource Economics . . . . .	(4)
EC 435 Seminar in Environmental Economics . . . . .	(4)
FMA/LIS 350 Water and Civilization . . . . .	(4)
FN 305 Nutrition, Science, and Health . . . . .	(4)
FN 325 Food Safety and Current Issues . . . . .	(4)
GEO 303 Climatology . . . . .	(4)
GEO 420 Digital Image Processing . . . . .	(4)
GSC 320 Studies of a Blue Planet . . . . .	(4)
GSC 350 Geologic Catastrophes . . . . .	(4)
HST 421 The Scientific Revolution . . . . .	(4)
HST 432 Technology in World History . . . . .	(4)
IA/FN 445 Nutrition/International Development . . . . .	(4)
KIN 301 Foundations of Sports Medicine . . . . .	(4)
KIN 365 Growth, Aging, and Physical Activity . . . . .	(4)
PHL 483 Philosophy of Science . . . . .	(4)
PHY 301 Energy and Society . . . . .	(4)
PHY 302 Physics of Everyday Experience . . . . .	(4)
PHY 303 The Universe in Ten Weeks . . . . .	(4)
RS 301 Life Support Processes . . . . .	(4)

For Liberal Studies Major Pre-Credential Options only: Required for students who plan to meet state requirements for elementary school teachers and for precredential option 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.

MAT 191 Survey of Mathematics . . . . .	(4)
SCI 211/211L Chemical Sciences . . . . .	(4)
BIO 110 Life Science . . . . .	(4)
SCI 212/212L Geological Sciences . . . . .	(4)
SCI 210/210L Physics Concepts and Activities . . . . .	(4)

### AREA 3-Humanities and Social Sciences (28 units)

Arts, Literature, Philosophy, and Foreign Languages (12 units). Students are required to take at least one course from each section. A minimum of 12 units must be completed. See also the Interdisciplinary General Education Program (IGE) Section, which is the pattern recommended for students in Engineering and Architecture.

#### A. 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)
DAN 202 World Dance and Cultures . . . . .	(4)
TH 203 Introduction to the Theater . . . . .	(4)
TH 210 Introduction to the American Theater . . . . .	(4)
ENV 112 Design and the Built Environment . . . . .	(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)
HOR 214 History of Garden Art . . . . .	(4)
TH 125/125A Introduction to Acting . . . . .	(4)
TH 204 Live Theater Appreciation . . . . .	(4)
TH 205 World Theater A Cross-Cultural Perspective . . . . .	(4)
TH 208 Introduction to Film and American Culture . . . . .	(4)
URP 104 Evolution of Cities . . . . .	(4)

#### B. Philosophy and History

ANT111/111A 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)
HUM 202 Humanism & 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)

#### C. Literature and Foreign Languages

FL 171 Elementary Chinese . . . . .	(4)
FL 172 Elementary Chinese II . . . . .	(4)
FL 173 Elementary Chinese III . . . . .	(4)
FL 154 Spanish for Spanish Speakers I . . . . .	(4)
FL 250 Spanish for Spanish Speakers II . . . . .	(4)
ENG 201 Introduction to Modern Fiction . . . . .	(4)
ENG 202 Introduction to Poetry or Modern Drama . . . . .	(4)
ENG 203 Introduction to Shakespeare . . . . .	(4)
ENG 204 Modern Fiction for Speakers of English as a Second Language . . . . .	(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 231 Introduction to Folklore	(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 114 Conversational German for Beginners	(4)
FL 121 Elementary Ancient Greek I	(4)
FL 122 Elementary Ancient Greek II	(4)
FL 123 Elementary Ancient Greek III	(4)
FL 131 Elementary Latin I	(4)
FL 132 Elementary Latin II	(4)
FL 133 Elementary Latin III	(4)
FL 141 Elementary Russian I	(4)
FL 142 Elementary Russian II	(4)
FL 143 Elementary Russian III	(4)
FL 151 Elementary Spanish I	(4)
FL 152 Elementary Spanish II	(4)
FL 153 Elementary Spanish III	(4)
FL 154 Spanish for Spanish Speakers I	(4)
FL 161 Elementary Japanese I	(4)
FL 162 Elementary Japanese II	(4)
FL 163 Elementary Japanese 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 203 Intermediate French Composition and Conversation	(4)
FL 211 Intermediate German	(4)
FL 212 Intermediate German Reading	(4)
FL 213 Intermediate German Composition and Conversation	(4)
FL 250 Spanish for Spanish Speakers II	(4)
FL 251 Intermediate Spanish	(4)
FL 252 Intermediate Spanish Reading	(4)
FL 253 Intermediate Spanish Conversation	(4)
FL 254 Intermediate Spanish Composition	(4)
FL 261 Intermediate Japanese	(4)
FL 262 Intermediate Japanese Reading	(4)
FL 263 Intermediate Japanese Conversation	(4)

Social, Political, and Economic Institutions and Their Historical Background

#### D. Economic Institutions

EC 201 Principles of Economics	(4)
EC 202 Principles of Economics	(4)
FNC 245 Consumerism: The Movement, Its Impact and Issues	(4)
FRL 100 Personal Money Management	(4)
IA 101 Global Resources for Food	(4)
MKT 201 The Consumer, Marketing and Society	(4)
TOM 103 Business and Its Environment	(4)

#### E. Social Institutions

AMM 108 Culture, People and Dress	(4)
ANT 102 Introduction to Cultural Anthropology	(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)
FNC 101 Introduction to Family Issues	(4)
FRL 101 Law for Everyday Living	(4)
GEO 102 Cultural 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)

#### F. Political and Historical Institutions

AG 101 Agriculture and the Modern World	(4)
HST 103 History of Civilization: The Modern World	(4)
HST 201 United States History	(4)
PLS 202 Comparative Political Systems	(4)
PLS 203 Introduction to International Relations	(4)

#### G. The Integrated Being (4 units)

ANT 201 Human Nature/Human Affairs: A Bicultural View	(4)
AVS 211 Drugs and Society	(4)
BIO 205 Biological Perspectives on Contemporary Life	(4)
HRT 255 The Healthy American Gastronome	(4)
KIN/FN 203 Health, Nutrition and the Integrated Being	(4)
KIN 207 Personal Health	(4)
PSY 201 General Psychology	(4)
PSY 210 Mind, Brain & Behavior: An Integrated View	(4)

#### AREA 4-U.S. History, Constitution, and American Ideals (8 units)

Students take two courses in this area. See also the Interdisciplinary General Education Program (IGE) section, which is the recommended pattern for most students in engineering and architecture.

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

#### AREA 5-Upper Division General Education (8 units)

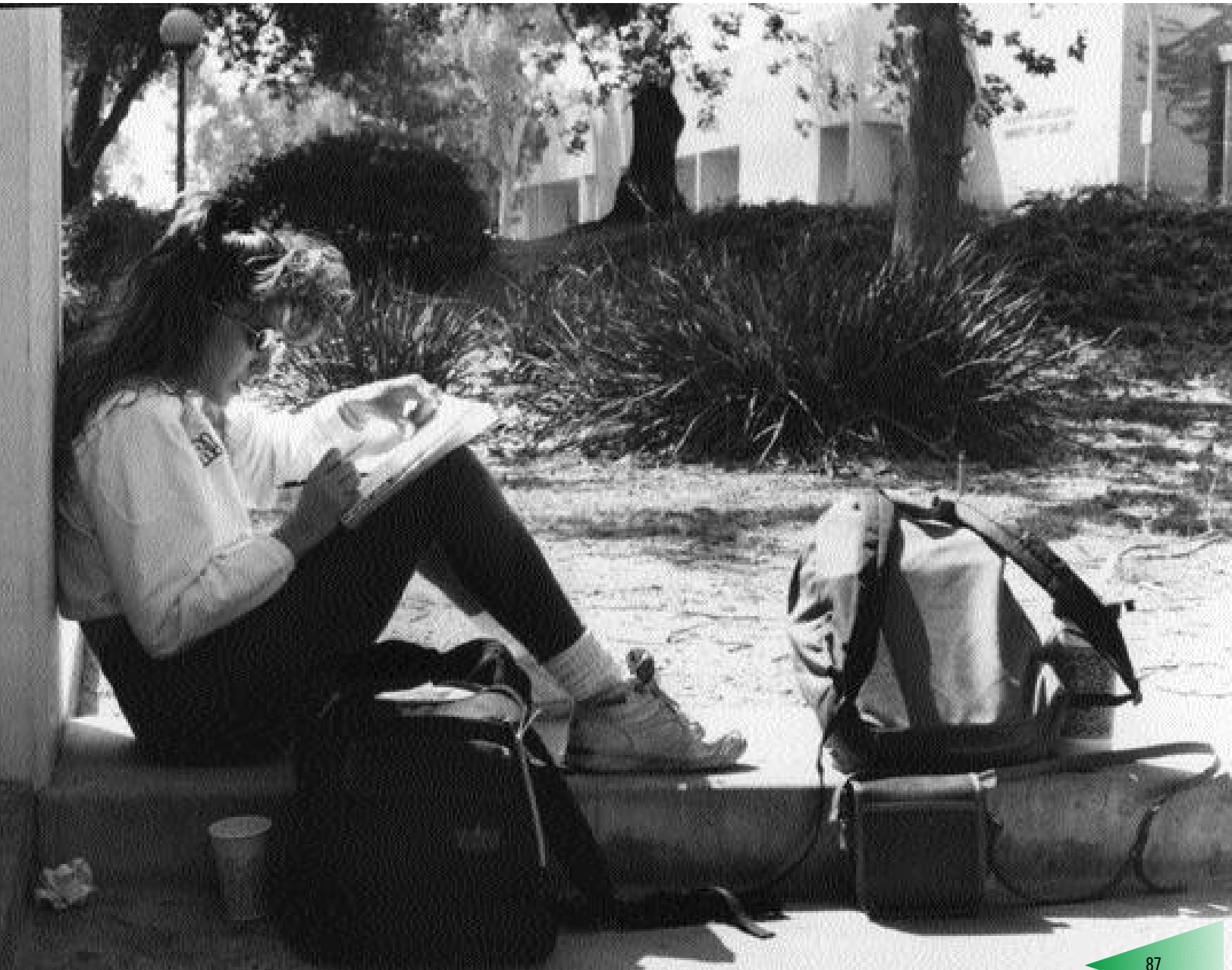
Students must select two courses outside their major.

FMA 313 Food and Agricultural Policy	(3)
FMA 324 Accounting for Agribusiness	(4)
FMA 328 Agribusiness Enterprise Management	(4)
FMA 402 Personnel Management	(4)
FMA/IA 450 Agricultural Water Resource Management	(4)
ANT 320 Indians of California	(4)
ANT 321 Indians of North America	(4)
ANT 354 Laws, Values, and Culture	(4)
ANT 355 Psychological Anthropology	(4)
ANT 356 Cultures in Performance: Human Expression in Cross Cultural Perspectives	(4)
ANT 358 Social Anthropology	(4)
ANT 399 Cultural Areas of the World: Africa	(4)
ANT 399 Cultural Areas of the World: Mesoamerica	(4)
ANT 399 Cultural Areas of the World: The Middle East	(4)
ANT 405 Women: An Anthropological View	(4)
ART 310 Art of the United States	(4)



ART 312 Foundations of Modern Art	(4)	GSC 360/360L Groundwater Geology	(4)
ART 315 Art of the Ancient Near East	(4)	HST305 Ancient and Medieval India	(4)
ART 316 Art of the Classical World	(4)	HST 306 Modern India	(4)
BHS 328 Women and Men: Changing Sex Roles	(4)	HST 307 South Asia	(4)
BIO 300 Human Heredity	(4)	HST 309 Modern Southeast Asia	(4)
BIO 301 Human Sexuality	(4)	HST 313 Middle East: The Rise of Islam	(4)
BIO 302 Biology of Cancer	(4)	HST 314 Islamic History in the Middle Ages	(4)
BIO 303 Genetics	(4)	HST 315 Middle East: Problems of the 20th Century	(4)
BOT 307 Plants and People	(4)	HST 323 Enlightenment, Absolutism, and Constitutionalism 1648-178	(4)
CHM 306 History and Philosophy of Chemistry	(4)	HST 324 Revolution and Reaction 1789-1850	(4)
COM 314 Organizational Communication Theory	(4)	HST 325 Nationalism, Imperialism, and Industrialization 1850-1914	(4)
COM 321 Communications Problem Analysis	(4)	HST 326 Europe 1900-1945: World Wars and the Crisis of Liberation	(4)
COM 327 Intercultural Communication	(4)	HST 327 Europe Since 1945: Cold War, Revival and New Era	(4)
COM 337 Group Discussion	(4)	HST 329 Pre-modern History of North Africa	(4)
COM 413 Public Opinion, Propaganda and the Mass Media	(4)	HST 330 Modern History of North Africa	(4)
DAN 446 Dance of the 20th Century	(4)	HST 332 Colonial Africa	(4)
DAN 449 Dance in Contemporary Culture	(4)	HST 335 Latin America: The Colonial Period	(4)
EC 411 Economic Development	(4)	HST 336 Latin America: The Era of Nation Building	(4)
EC 419 Land Economics	(4)	HST 337 Latin America: Problems of the 20th Century	(4)
EC 429 Seminar in Natural Resource Economics	(4)	HST 341 Colonial America	(4)
EC 432 Seminar in Urban Economics	(4)	HST 342 American in the Federal Period	(4)
EC 433 Economics of Transportation	(4)	HST 343 The Age of Jackson	(4)
EC 435 Seminar in Environmental Economics	(4)	HST 344 Civil War and Reconstruction	(4)
EC 436 Seminar in Air Resources Economics	(4)	HST 345 America Comes of Age 1890-1945	(4)
EC 437 Economics of Poverty and Discrimination	(4)	HST 347 United States since 1945	(4)
EC 438 Seminar in Waste Management Economics	(4)	HST 351 England to 1689	(4)
EC 439 Seminar in Water Resource Economics	(4)	HST 356 The Soviet Union	(4)
EC 440 Industrial Organization	(4)	HST 370 History of California	(4)
EC 441 American Industry	(4)	HST 371 History of Southern California	(4)
EGR 402 Ethics and Engineering Decision-making	(4)	HST 374 The American West	(4)
EGR 403 Capital Allocation Theory	(4)	HST 375 The American Southwest	(4)
ENG 403 Shakespeare	(4)	HST 406 Women in the United States	(4)
ENG 450 Twentieth-Century British Literature	(4)	HST 413 Religion in American History	(4)
ENG 456 Twentieth-Century American Literature	(4)	HST 414 Diplomatic History of the United States	(4)
ENG 459 Literatures of the "Third World"	(4)	HST 425 Great Britain and the Industrial Revolution	(4)
ENV 350 Diversity in Design	(4)	HST 441 Women in Asia	(4)
ENV 355 Community Exhibition and Performance Spaces	(4)	IA 362 Agricultural Policy in Developing Nations	(4)
ENV 422 Designing for the Elderly and Disabled	(4)	IBM 301 Principles of Marketing Management	(4)
ENV 423 Design for Children and Accessibility	(4)	KIN 363 Psychological Aspects of Physical Activity and Sport	(4)
ENV 450 Sustainable Communities	(4)	KIN 370 Stress Management for Healthy Living	(4)
ENV 489 Community Design and Social Change	(4)	KIN 450 Role of Sport in Contemporary Society	(4)
EWS 301 Ethnic Identity	(4)	KIN 469 History of Women in Sport	(4)
EWS 304 Asian American Communities: Comparative Analysis	(4)	MAT 306 History of Mathematics	(4)
EWS 345 Gender, Ethnicity, and Employment	(4)	MHR 301 Principles of Management	(4)
EWS 350 Ethnic Immigration	(4)	MHR 318 Multicultural Organizational Behavior	(4)
EWS 370 Women and Law	(4)	MHR 324 Communication for Management	(4)
EWS 401 African American Contemporary Issues	(4)	MHR 352 Emerging Issues in Management	(4)
EWS 402 Chicano/Latino Contemporary Issues	(4)	MHR 406 Strategies for Men and Women in Management	(4)
EWS 403 Native American Contemporary Issues	(4)	MHR 438 Advanced Organizational Behavior	(4)
EWS 404 Asian American Contemporary Issues	(4)	MHR 450 Leadership	(4)
EWS 407 Sexual Orientation and Diversity	(4)	PHL301 Philosophy of the Arts	(4)
EWS 420 Gender, Ethnicity, and Class	(4)	PHL 309 Moral Philosophy	(4)
EWS 430 Ethnic Thought and Values	(4)	PHL320 American Philosophy	(4)
GEO 312 Economic Geography	(4)	PHL 330 Ethics, Environment, and Society	(4)
GEO 315 Urban Geography	(4)	PHL 401 Philosophy and Religion of Japan	(4)
GEO 343 Russia: Environment and People	(4)	PHL 420 Philosophical Issues in the Law	(4)
GEO 351 Geography of California	(4)	PHL 403 Philosophical and Religion of India	(4)
GEO 353 Russia: Environment and People	(4)	PHL 433 Bioethics	(4)
GEO 357 Geography of Asia	(4)	PHL 468/468A Film Aesthetics	(4)
GEO 358 Geography of Africa	(4)	PHL 459 Epistemology	(4)
GSC 304 Meteorology	(4)	PHL 465 Philosophy of Love and Sex	(4)
GSC 321/321L Geotechnology	(4)	PHL 483 Philosophy of Science	(4)
GSC 335 Descriptive Physical Oceanography	(4)	PHY 306 History of Physics	(4)
		PHY 340 Energy and the Environment	(4)

PHY 344 Applied Optics . . . . .	(4)	PSY 321 Psychology of Identity . . . . .	(4)
PLS 315 Politics of Public Policy . . . . .	(4)	PSY 334 Cognitive Processes . . . . .	(4)
PLS 318 Business and Public Policy . . . . .	(4)	PSY 455 Human Sexual Behavior: Relationships . . . . .	(4)
PLS 328 American State and Local Politics . . . . .	(4)	RS 301 Life Support Processes . . . . .	(4)
PLS 323 American Ethnic Politics . . . . .	(4)	RS 302/302L Global Regenerative Systems . . . . .	(3/1)
PLS 342 Politics of Developing Areas . . . . .	(4)	RS 303/303L Shaping a Sustainable Future . . . . .	(2/2)
PLS 431 Ancient and Medieval Political Thought . . . . .	(4)	SOC 301 Contemporary Social Problems . . . . .	(4)
PLS 432 Modern Political Thought . . . . .	(4)	SOC 302 Criminology . . . . .	(4)
PLS 436 Twentieth-Century Political Thought . . . . .	(4)	SOC 320 Ethnic Relations in America . . . . .	(4)
PLS 441 Comparative European Governments and Politics . . . . .	(4)	SOC 321 Family as a Social Institution . . . . .	(4)
PLS 444 Comparative Latin American Governments and Politics . . . . .	(4)	SOC 350 Collective Behavior and Social Movements . . . . .	(4)
PLS 446 Comparative Middle Eastern Governments and Politics . . . . .	(4)	SOC 360 Juvenile Delinquency . . . . .	(4)
PLS 447 Government and Politics of the Russian Republic . . . . .	(4)	SOC 430 Sociology of Mental Disorders . . . . .	(4)
PLS 449 Comparative Southeast Asia Governments and Politics . . . . .	(4)	SOC 433/433A Survey Research . . . . .	(4)
PLS 451 International Conflict, War and Peace . . . . .	(4)	SS 333 Soil and Water Conservation . . . . .	(4)
PSY 310 Child Psychology: Early Childhood . . . . .	(4)	TH 301 Through the Artist's Eyes: Visions of World Artists . . . . .	(4)
PSY 312 Adolescent Psychology . . . . .	(4)	TH 410 20th Century American Theater . . . . .	(4)
		TH 481 History of Costume . . . . .	(4)



## 2000-2001 College of Engineering General Education Requirements

	Area 1	Area 2	Area 3	Area 4	Area 5
ARO	1a. ENG 104 (4) 1b. COM 204 (4) 1c. ENG 105 (4) [12]	2a. MAT 114 (4) 2b. PHY 131,151L (4) 2c. Elective (3) 2d. MAT 317, 318 (6) [17]	3a. Elective (4) 3b. PHL 201 (4) 3c. Elective (4) [24]	PLS 201 (4) HST 202* (4) [8]	EGR 402 (4) MHR 324 or PSY 334 or URP 475 (4) [8]
CHE	1a. ENG 104 (4) 1b. Elective (4) 1c. Elective (4) [12]	2a. MAT 114 (4) 2b. PHY 131,151L, CHM 121L,122L (6) 2c. Elective (3) 2d. CHM 316 (3) [16]	3a. Elective (4) 3b. Elective (4) 3c. Elective (4) [24]	PLS 201 (4) HST 202* (4) [8]	8 Units from Approved CHE Lists (below) [8]
MTE	1a. ENG 104 (4) 1b. Elective (4) 1c. Elective (4) [12]	2a. MAT 114 (4) 2b. PHY 131,151L,CHM 121L (5) 2c. Elective (3) 2d. CHM 304, 304A (4) [16]	3a. Elective (4) 3b. Elective (4) 3c. Elective (4) [24]	PLS 201 (4) HST 202* (4) [8]	EGR 403 (4) and 4 Units from Approved MTE List (below) [8]
CE	1a. ENG 104 (4) 1b. COM 204 (4) 1c. CE 361 or ENG 105 (4) [12]	2a. MAT 114 (4) 2b. PHY 131/151L,152L, 153L (6) 2c. Elective (3) 2d. IME 301 or STA 309 (3) [16]	3a. Elective (4) 3b. Elective (4) 3c. Elective (4) [24]	PLS 201 (4) HST 202* (4) [8]	GSC 321 (4) MHR 318 (4) or EGR 402 (4) [8]
ECE	1a. ENG 104 (4) 1b. COM 204 (4) 1c. ECE 311 or Elective (4) [12]	2a. MAT 114 (4) 2b. PHY 131,151L,152L (5) 2c. Elective (3) 2d. ECE 302 (4) [16]	3a. Elective (4) 3b. Elective (4) 3c. Elective (4) [24]	PLS 201 (4) HST 202* (4) [8]	EGR 402 (4) EGR 403 (4) [8]
ET	1a. ENG 104 (4) 1b. Elective (4) 1c. Elective (4) [12]	2a. MAT 130 (4) 2b. PHY 121,141L,142L,143L (6) 2c. Elective (3) 2d. STA 309 (3) [16]	3a. Elective (4) 3b. Elective (4) 3c. Elective (4) [24]	PLS 201 (4) HST 202* (4) [8]	Electives (8) [8]
IE and MFE	1a. ENG 104 (4) 1b. Elective (4) 1c. Elective (4) [12]	2a. MAT 114 (4) 2b. PHY 131,151L,152L,153L (6) 2c. Elective (3) 2d. IME 301 or STA 309 (3) [16]	3a. Elective (4) 3b. Elective (4) 3c. Elective (4) [24]	PLS 201 (4) HST 202* (4) [8]	EGR 402 (4) EGR 403 (4) [8]
ME	1a. ENG 104 (4) 1b. COM 204 (4) 1c. ME 231 or Elective (4) [12]	2a. MAT 114 (4) 2b. CHM 121,121L,122L (5) 2c. Elective (3) 2d. ME 330 (4) [16]	3a. Elective (4) 3b. Elective (4) 3c. Elective (4) [24]	PLS 201 (4) HST 202* (4) [8]	Elective (4) EGR 403 (4) [8]

\* HST 202 satisfies the requirement  
in American Cultural Perspectives.

CHE Area 5: 4 units from [EC 429, EC 436, EC 438, EC 439, PHY 340],  
and 4 units from [MHR 301, MHR 318, MHR 324, MHR 406, MHR 438]  
MTE Area 5: 4 units from [MHR 301, MHR 318, MHR 324, MHR 406, MHR 438]

Programs of Study in the College of Engineering must satisfy ABET program requirements and Cal Poly Pomona general education requirements concurrently. In order to achieve this, underlined courses satisfy both major and general education requirements. All non-underlined coursework can be satisfied via GE area certification from a community college.

URP 301 Principles of Urban Planning . . . . .	(4)
URP 411 Evolution of Cities and Planning in America. . . . .	(4)
URP 475 Planning in a Global Economy . . . . .	(4)

**THE FOLLOWING MINOR PROGRAMS WILL SATISFY GENERAL EDUCATION UPPER DIVISION REQUIREMENT**

- Artificial Intelligence
- Computer Systems Organization
- Regenerative Studies
- Scientific Computer Programming

**INTERDISCIPLINARY GENERAL EDUCATION (IGE) PROGRAM (32 units)**

The Interdisciplinary General Education Program addressed the need for an integrated approach to curriculum, teaching, and scholarship and the creation of an extended learning community. As of July, 1994, the IGE Program is a part of the new College of Education and Integrative Studies, which shares these goals.

The IGE program is open to any department wishing to adopt it as an option and is the preferred pattern for students in engineering and architecture. It is recommended to all other students in the Colleges of Agriculture, Business Administration, Environmental Design, and Science. It is also available to Humanities majors in the English and Foreign Languages Department, to Liberal Studies students in the Liberal Studies Option and to philosophy majors, College of Letters, Arts, and Social Sciences. See departmental advisors or the Program Director.

The eight course sequence has the following common goals:

**Learning Outcomes**

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

Please refer to 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 INTERDISCIPLINARY GE PROGRAM MEETS UNIVERSITY REQUIREMENTS**

This 32 unit program meets the following portion of the University General Education requirements under Track B. (Engineering students should see adviser for specific additional coursework required by major.)

**AREA 1 COMMUNICATION IN THE ENGLISH LANGUAGE**

ENG 104 ("a") satisfied at the end of the first year (after taking IGE 120, IGE 121, IGE 122); "b" and "c" not satisfied. Select from regular GE list.

**AREA 2 SCIENCE AND MATHEMATICS**

Not satisfied. Select courses from regular GE list as specified by major.

**AREA 3 ARTS, LITERATURE, PHILOSOPHY AND FOREIGN LANGUAGES**

Any two courses (8 units) from "a" or "b" or "c" satisfied at the end of the first year with the completion of IGE 120, IGE 121, and IGE 122. Take the remaining four-unit course from the regular list. (Example: If "b" and "c" are replaced by IGE courses, then take "a" from the regular list, and so on.)

The student may choose which two courses to replace by IGE courses. "e" and "f" are satisfied (8 units) at the end of the second year with the completion of IGE 220, IGE 221, and IGE 222. Choose "d" from the regular GE list.

"g" is satisfied (4 units) at the end of the IGE sequence (IGE 224).

**AREA 4 U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS**

Satisfied (8 units) at the end of the IGE sequence (IGE 224)

**AREA 5 UPPER DIVISION GENERAL EDUCATION**

Not included in IGE. Choose from regular upper division course list.

**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 459 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 Introduction to the Study of Women and Men in Society . . 4  
 EWS 390 Ethnic Women. . . . . 4  
 EWS 420 Gender, Ethnicity, and Class . . . . . 4  
 EWS 430 Ethnic Thought and Values . . . . . 4  
 FN 228 Food and Culture . . . . . 4  
 FNC 101 Introduction to Family Issues. . . . . 4  
 HST 202 United States History . . . . . 4  
 HST 345 America Comes of Age, 1890-1945 . . . . . 4  
 HST 347 The U. S. Since 1945. . . . . 4

MHR 318 Organizational Behavior in a Multicultural Environment . . . 4  
 KIN 450 Role of Sport in Contemporary Society . . . . . 4  
 KIN 469 History of Women in Sport . . . . . 4  
 PHL 307 American Indian Thought and Religion . . . . . 4  
 PLS 323 American Ethnic Politics . . . . . 4  
 SOC 323 Sociology of Minority Communities. . . . . 4  
 URP 332/332L Applied Demography for Planning. . . . . 4  
 URP 411 Evolution of Cities and Planning in America . . . . . 4

Students should consult with their departments or academic advisors for any other courses that might be approved during the 1996-97 academic year to satisfy this requirement.

