

General Education

General Education

Developed by both faculty and students, the university's General Education Program is an introduction to the breadth and depth of the dynamics of human experience. It provides students with a foundation in the liberal arts and sciences and prepares them for specialized study in a particular discipline or program.

The overall objective of General Education is to create a context wherein basic skills are developed and strengthened, scholarship and disciplined thinking emerge, awareness and reflection occur, and ultimately — the *integration* of knowledge begins.

In the 1999-2000 academic year, the university introduced a major revision of the General Education program that the faculty believes is improved in content and which facilitates transfer to the university. All students enrolling in the university as first-time freshmen beginning fall 1999 and after, and all transfer students entering fall 1999 or after who elect to adopt the 1999-2000 catalog will be required to complete this new General Education Program.

Foundation, Breadth, Integration, and Multicultural/International

The General Education Program is an integrated curriculum of courses organized into four groups:

Foundation, the basic foundation of one's university education, consists of courses in fundamental skills and knowledge.

Breadth exposes students to a variety of disciplines within a structured framework that develops knowledge in four basic areas of human endeavor.

Integration ties together the Program by providing an integrative experience at the upper-division level in three of the four areas of breadth.

Multicultural/International completes the General Education Program with an upper-division experience as preparation for an international, multicultural world.

Requirements

The General Education Program requires students to complete a minimum of 51 semester units. All requirements must be met with courses of at least three semester units. The requirements include: four courses in **Foundation**, nine courses in **Breadth**, and four upper-division courses -

three **Integration** courses and one **Multicultural/International** course. These four upper-division courses should be taken no sooner than the term in which 60 units of college coursework are completed. A minimum of 9 units of course work for General Education must be taken *in residence* (see *Residence Requirements*, pages 84) at California State University, Fresno.

Because the goal of General Education is to provide a solid foundation with a broad scope and the goal of the major is to provide depth in a specific discipline or program, the following stipulations apply:

1. The **Foundation** courses must be completed with a grade of *C* or better to satisfy the General Education requirement.
2. A maximum of two General Education courses from one department or program may be applied to satisfy **Breadth**, **Integration**, and **Multicultural/International** requirements. (However, a department or program may prohibit any General Education course from simultaneously satisfying its own departmental or programmatic requirements.) **Integration** and **Multicultural/International** courses used to satisfy this requirement must be taken outside the department of the student's major.

Writing in General Education Courses

The university's General Education Program requires that almost all courses in the program have substantial writing assignments.

All Foundation courses except those in Quantitative Methods (B4) and all Breadth courses will require writing assignments totaling at least 2,000 words.

All upper-division courses (IB, IC, ID, and M/I) will require writing assignments totaling at least 4,000 words.

Foundation

Purpose: An educated person must be able to read critically, communicate effectively, and think clearly.

Select one course from each of the following four categories for a minimum of 12 units. Courses available to satisfy these requirements will also be listed in the Schedule of Classes for fall and spring of the 2002-2003 academic year.

- Oral Communication – One A1 course (Area A).
- Written Communication – One A2 course (Area A).
- Critical Thinking – One A3 course (Area A).
- Quantitative Reasoning – One B4 course (Area B).

Breadth

The **Breadth** component of the General Education Program exposes students to a variety of disciplines within the structured framework of Areas B, C, D, and E.

Area B – Physical Universe and Its Life Forms.

Required: one lower-division course in each sub-area. All courses in this area include a laboratory component.

- Physical Science, Sub-Area B1 – one B1 course. (Completion of the **Foundation** Quantitative Reasoning requirement – a G.E. B4 course – is prerequisite to enrollment in all G.E. B1 courses.)

Purpose: To understand and actively explore fundamental principles in the Physical Sciences and the methods of developing and testing hypotheses used in the analysis of the physical universe.

- Life Science, Sub-Area B2 – one B2 course.

Purpose: To understand basic concepts of living things, the nature of scientific knowledge, and the relevance of biological knowledge to human affairs.

Notice to students enrolled under the 1998-99 or earlier catalogs:

The revised program presented in this section is different from the program which you are expected to satisfy. Please refer to the catalog under which you are enrolled for information about the requirements and the courses appropriate to those requirements.

General Education

Area C – Arts and Humanities.

Required: three lower-division courses, at least one in each sub-area.

- Arts, Sub-area C1 – at least one C1 course.

Purpose: To develop an appreciation and understanding of and to stimulate imagination and creativity through study and participation in art, dance, music, and theatre.

- Humanities, Sub-area C2 - at least one C2 course. (Completion of an A2 course satisfying the **Foundation** Written Communication requirement is required for enrollment in any **Breadth** Area C2 course.)

Purpose: Through the study of the humanities, to understand, appreciate, and analyze the meaning of our civilization, its cultural background, and the nature and role of language. To study the humanities from a variety of historical perspectives and cultures by analyzing individual works.

A third course is required in either C1 or C2.

Area D – Social, Political, and Economic Institutions and Behavior, Historical Background.

Required: Three courses: one lower-division course in each of the three sub-areas. (Completion of an A2 course satisfying the **Foundation** Written Communication requirement is required for enrollment in any **Breadth** Area D course.)

Purpose: To understand and analyze the basic principles underlying human social behavior.

- American History, Sub-area D1 – one D1 course.
- American Government, Sub-area D2 – one D2 course.
- Social Science, Sub-area D3 – one D3 course.

Area E – Lifelong Understanding and Self-Development.

Required: One E1 course.

Purpose: To equip human beings for lifelong understanding and development of themselves as integrated physiological and psychological entities.

Integration

Requirement: Three upper-division courses: one course in each of three **Breadth** areas.

- B1, B2 are prerequisite to IB
- C1, C2 and an additional Breadth course in either is prerequisite to IC
- D1, D2, D3 are prerequisite to ID and MI

*Purpose: The **Integration** component of General Education is included to provide instruction at the upper-division level that integrates material from each of the Breadth areas B, C, and D.*

- Physical Universe and Its Life Forms - one IB course.
- Arts and Humanities - one IC course.
- Social Political and Economic Institutions and Behavior, Historical Background - one ID course.

Multicultural/International

Required: One upper-division MI course. (Completion of the **Foundation** requirement and the **Breadth** Area D requirement are prerequisite to enrollment in **Multicultural/International** courses.)

*Purpose: The **Multicultural/International** component of General Education is included to prepare students to live in an international multicultural world.*

G.E. Prerequisites

- A2 is prerequisite to C2, D1, D2, and D3
- B4 is prerequisite to B1
- A1, A2, A3 and B4 are prerequisite to IB, IC, ID, and MI

Notice to liberal studies and engineering students:

Liberal studies and engineering students follow a distinct G.E. pattern. Please see liberal studies, pages 264-265 and engineering pages 281-311.

General Education in A-E Format

While the revised General Education Program is presented here in terms of **FOUNDATION**, **BREADTH**, **INTEGRATION**, and **MULTICULTURAL/INTERNATIONAL**, it relates simply to the A-E format widely used throughout the state as indicated by the course subjects in the table. The following list reflects those courses accepted into the G.E. program as of December 15, 2001.

Foundation

Oral Communication

(Area A1)

- COMM 3 - Fundamentals of Public Communication
- COMM 7 - Persuasion
- COMM 8 - Group Discussion

Written Communication

(Area A2)

- ENGL 1 - Composition

Critical Thinking

(Area A3)

- ANTH 30 - Critical Thinking in Anthropology
- CLS 30 - Critical Thinking in Chicano and Latin American Studies
- CSCI 1 - Critical Thinking and Computer Science
- COMM 5 - Argumentation
- GME 5 - Critical Reasoning
- NSCI 4 - Science and Nonsense: Facts, Fads, and Critical Thinking
- PHIL 25 - Methods of Reasoning
- PHIL 45 - Introduction to Logic
- SOC 3 - Analysis of Social Life
- WS 12 - Critical Thinking: Gender Issues

Quantitative Reasoning

(Area B4)

- DS 71 - Quantitative Analysis
- MATH 45 - What Is Mathematics?
- MATH 75 - Mathematical Analysis I

Breadth

Physical Universe and Its Life Forms

Physical Sciences (Area B1)

- CHEM 1A - General Chemistry
- CHEM 3A - Introductory General Chemistry
- CHEM 10 - Chemistry and Society
- GEOL 1 - Natural Disasters and Earth Resources
- GEOL 15 - The Earth and Its History

- PSCI 21 - Elementary Astronomy
- PHYS 2A - General Physics
- PHYS 4A & 4AL - Mechanics and Wave Motion
- PHYS 10 - Conceptual Physics

Life Sciences (Area B2)

- BIOL 10 - Life Science
- BIOL 15 - An Ecological Approach to Life Science
- BIOSC 1A - Introductory Biology
- BOT 10 - Plant Biology
- ZOOL 10 - Animal Biology

Arts and Humanities

Arts (Area C1)

- ARMS 20 - Arts of Armenia
- ART 1 - Art Forms
- ART 20 - Drawing
- ART 40 - Painting
- ART 50 - Beginning Sculpture
- ARTH 10 - The Ancient and Primitive World
- ARTH 11 - The Modern World
- CLS 9 - Chicano Artistic Expression
- DRAMA 22 - Fundamentals of Interpretation
- DRAMA 62 - Theatre Today
- ENGL 41 - Poetry Writing
- ENGL 43 - Fiction Writing
- MUSIC 9 - Introduction to Music
- MUSIC 74 - Listener's Guide to Music

Humanities (Area C2)

- ARM 1B - Elementary Armenian
- ARM 2A - Intermediate Armenian
- ARM 2B - Intermediate Armenian
- CHIN 1A - Elementary Chinese
- CHIN 1B - Elementary Chinese
- CSD 92 - American Sign Language II
- ENGL 20 - Introduction to Literature
- ENGL 30 - Masterpieces
- FREN 1B - Elementary French
- FREN 2A - French for Communication
- FREN 2B - French for Communication
- GERM 1B - Elementary German
- GERM 2A - Intermediate German
- GERM 2B - Intermediate German
- GRK 1A - Elementary Greek
- GRK 1B - Elementary Greek
- HMONG 1B - Basic Hmong
- HUM 10 - Introduction to the Humanities
- HUM 11 - Introduction to the Humanities
- HUM 15 - Classical Myth and World Humanities
- HUM 20 - Introduction to Hispanic Literature
- ITAL 1B - Elementary Italian
- ITAL 2A - Intermediate Italian
- ITAL 2B - Intermediate Italian
- JAPN 1A - Elementary Japanese
- JAPN 1B - Elementary Japanese
- LATIN 1A - Elementary Latin
- LATIN 1B - Elementary Latin

	Foundation	Breadth	Integration & Multicultural/International
Area A	A1, A2, A3		
Area B	B4	B1, B2	IB
Area C		C1, C2, C1 or C2	IC
Area D		D1, D2, D3	ID, MI
Area E		E1	

- LING 10 - Introduction to Language
- PHIL 1 - Introduction to Philosophy
- PHIL 2 - Exploring Religious Meaning
- PHIL 10 - Self, Religion, and Society
- PHIL 20 - Moral Questions
- PORT 1B - Elementary Portuguese
- SPAN 1B - Elementary Spanish
- SPAN 2A - Spanish for Communication
- SPAN 2B - Spanish for Communication
- SPAN 3 - Reading and Writing
- SPAN 4A - Spanish for the Bilingual Student
- SPAN 4B - Spanish for the Bilingual Student

Social, Political, and Economic Institutions and Behavior, Historical Background

American History (Area D1)

- HIST 11 - American History to 1865
- HIST 12 - American History from 1865

American Government (Area D2)

- PLSI 2 - American Government and Institutions

Social Science (Area D3)

- AFAM 27 - Introduction to African American Culture and Image
- AGECE 1 - Introductory Agricultural Economics
- ANTH 2 - Introduction to Cultural Anthropology
- ANTH 3 - Introduction to Prehistory
- ARMS 10 - Introduction to Armenian Studies
- ASAM 15 - Introduction to Asian Americans
- CFS 31 - The Family in America
- CLS 3 - Introduction to Chicano/Latino Studies
- CLS 5 - Chicano Culture
- CRIM 10 - Crime, Criminology, and Justice
- CSD 98 - Introduction to Hard of Hearing and Deaf People
- ECON 25 - Introduction to Economics
- ECON 40 - Principles Microeconomics
- ECON 50 - Principles Macroeconomics
- ETHS 1 - Ethnic Experience
- GEOG 2 - Introduction to Cultural Geography
- GEOG 4 - World Geography

- HIST 20 - World History
- HIST 21 - World History II
- IT 20 - Technology and Society
- MCJ 1 - Mass Communication and Society
- PLSI 1 - Modern Politics
- PLSI 71 - Introduction to Environmental Politics
- PSYCH 10 - Introduction to Psychology
- SOC 1 - Principles of Sociology
- SOC 2 - Social Problems
- WS 10 - Introduction to Women's Studies

Lifelong Understanding and Self-Development

(Area E1)

- ASCI 67 - Animals and Society
- ART 13 - Design
- CFS 38 - Life Span Development
- DANCE 16 - Introduction to Modern Dance
- DANCE 70 - Balance BodyMind
- DRAMA 32 - Introduction to Acting
- FIN 30 - Personal Financial Planning
- GERON 10 - The Journey of Adulthood
- GERON 18 - Women and Aging (same as WS 18)
- GERON 111 - Heritage and Aging
- HS 90 - Contemporary Health Issues
- HS 91 - Introduction to Human Sexuality
- HS 110 - Drugs, Society, and Health
- IE 95 - Human Factors/Ergonomics
- KINES 32 - Lifetime Fitness and Wellness *concurrent with KAC 6, 21, 24, 31, 33, 39, or 103*
- LING 30 - Language through the Lifespan
- NUTR 53 - Nutrition and Health: Realities
- PSYCH 61 - Personal Adjustment
- PSYCH 171 - Adjustment and Mental Health
- RLS 80 - Lifelong Learning in the Natural Environment
- WS 18 - Women and Aging (same as GERON 18)

General Education

Integration

Physical Universe and Its Life Forms

(Area IB)

- ANTH 161 - Bio/Behavioral Evolution of the Human Species
- CHEM 170 - Chemistry in the Marketplace
- CHEM 171 - Fireworks, Gemstones, and Dyes: The Science of Color
- GEOG 115 - Violent Weather/ Climatic Hazards
- GEOL 112 - Planet Earth through Time
- GEOL 167 - Oceans and Atmosphere
- GEOL 168 - California's Earth System
- NSCI 115 - Environmental Earth and Life Science
- NSCI 120 - Biotechnology and Its Impact on Society
- NSCI 121 - Blood
- NSCI 125 - Revenge of the Killer Microbes
- NSCI 131 - Biological Bases of Neurological Disorders
- PSCI 131 - Concepts of Classical Physics from Babylon to Maxwell
- PHYAN 110 - Human Reproductive Physiology, Aging, and Death
- PHYS 100 - Concepts of Quantum Physics
- PLANT 105 - Food, Society, and Environment
- PSYCH 126 - Cognitive Neuroscience

Arts and Humanities

(Area IC)

- AETH 100 - Contemporary Conflicts of Morals (same as PHIL 120)
- ARM 148 - Masterpieces of Armenian Culture
- ART 102 - Ideas of Visual Culture: Art, Media, and the Computer
- DANCE 171 - Philosophical Bases and Trends in Dance
- DRAMA 163 - Dramatic Literature
- ENGL 101 - Masterpieces of World Literature
- ENGL 102 - Masterpieces of English Literature
- ENGL 103 - Masterpieces of American Literature
- ENGL 112 - World Literature: Ancient
- ENGL 113- World Literature: Medieval and Renaissance
- ENGL 114 - World Literature: Modern
- ENGL 174 - Popular Fiction
- FREN 109 - French Literature, Culture, and Society from the Middle Ages to Today
- FREN 149 - Voices of Africa
- HUM 104 - Humanities in the Middle Ages and Renaissance
- HUM 108 - Humanities in Classical Athens

- HUM 110 - Humanities in Republican and Imperial Rome
- LING 115 - Language, Culture, and Society
- LING 130 - Language and Gender
- MUSIC 170A - Music of the Americas: Latin American
- MUSIC 171 - Introduction to the World's Music
- MUSIC 187 - Popular Music: Jazz and Rock
- PHIL 120 - Contemporary Conflicts of Morals (same as AETH 100)
- PHIL 150 - Foundation of Knowledge
- PHIL 151 - Cognitive Science: Mind
- SPAN 125 - Hispanic Cultural Productions
- SPAN 129 - Mexican Culture

Social, Political, and Economic Institutions and Behavior, Historical Background

(Area ID)

- ANTH 116W - Anthropology of Religion
- ANTH 145 - Cultural Resources Management
- CLS 114 - Mexico and the Southwest 1810-1910
- CRIM 101 - Crime and Violence in America
- CRIM 120 - Juvenile Delinquency
- CRIM 153 - Psychology of Crime
- ECON 146 - Economics of Crime
- ECON 167 - Contemporary Socioeconomic Challenges
- ECON 176 - Economic Themes in Film
- ECON 183 - Political Economy of the Middle East
- GEOG 169 - The American West
- GERON 100 - Images of Aging in Contemporary Society
- KINES 111 - Olympic Games
- MCJ 178 - New Information Technologies
- PSYCH 123 - Developmental Psychobiology
- PSYCH 173 - Environmental Psychology
- SSCI 110 - California Studies
- SOC 131 - Sociology of Sex and Gender
- SOC 143 - Deviance and Control
- SOC 163 - Urban Sociology

Multicultural/International

(Area MI)

- AFAM 150 - South Africa
- ANTH 105W - Applied Anthropology
- ANTH 120 - Ethnic Relations and Cultures
- ANTH 123 - Peoples and Cultures of Southeast Asia
- ANTH 125 - Tradition and Change in China and Japan
- ASAM 110 - Asian American Communities
- BA 104 - Global Business
- CLS 160 - Sex, Race, and Class in American Society
- CLS 170 - Latin American Studies
- COMM 164 - Intercultural Communication
- CSD 139 - Deaf Culture
- ECON 181 - Political Economy of Latin America
- GEOG 167 - People and Places - A Global Perspective
- GERON 161 - Multiculture/Aging
- HIST 186 - American Immigration and Ethnic History
- LING 147 - Bilingualism
- MCJ 175 - Multicultural Mass Communication and Media Stereotypes
- MCJ 176 - International Mass Communication
- PHIL 131 - Comparative Religion
- PHIL 132 - Religion and the Margin
- PLSI 120 - International Politics
- SOC 111 - Sociology of Race and Ethnicity
- SOC 142 - Sociology of Popular Culture
- SSCI 180 - Diversity in the United States
- SWRK 136 - Cultural Diversity and Oppression
- WS 110 - Representations of Women
- WS 120 - Women of Color in the United States
- WS 135 - Women in Other Cultures