

4. **Critical Thinking:** A course meeting the Critical Thinking requirement shall deal with the following topics: (a) analysis, criticism, and advocacy of ideas; (b) reaching factual or judgmental conclusions; (c) learning elementary inductive and deductive processes; (d) recognition of formal and informal fallacies of language and thought.

The following courses presently satisfy this requirement:

Anthropology 30; Computer Science 1; English 21, 30, 44; Foreign Language 10; Greek 10; Natural Science 4; Philosophy 25, 26, 27, 45; Sociology 3; Speech 5; Surveying Engineering 5; Women's Studies 12

Note: Students must complete the Critical Thinking requirement prior to the completion of 60 units.

5. History 11 or 12
6. Political Science 2 or 101

BREADTH

The BREADTH component of the General Education Program exposes students to a variety of disciplines within the structured framework of Divisions 1-9.

Select at least one course from each of Divisions 1-9 for a minimum of 27 units. Students must have a laboratory component in either Division 1 or 2.

Division 1 — Physical Processes

Purpose: To understand fundamental principles in the physical sciences and the methods of developing and testing hypotheses used in the analysis of the physical universe.

Chemistry 1, 1A, 1B, 3A, 3B
Geology 1, 2, 15 (MNE only)*
Physical Science 21
Physics 2A, 2B, 4A, 4AL, 4B, 4BL, 4C, 10

Note: Math 4R or second-year high school algebra is a prerequisite for all courses in Division 1.

Division 2 — Biological Processes

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

Biology 10, 15 (MNE only)*
Biological Science Core 1A
Botany 10
Zoology 10

Writing Requirement

Every course in BREADTH Divisions 2-9 requires 2,000 words of writing. The writing must be the student's composition and may include essays, essay examinations, and journals or lab books. At least one-half of the written material is to be in the form of a multiparagraph, i.e., a sustained argument.

Division 3 — Behavioral/Environmental Systems

Purpose: To understand scientific concepts of human development and the relationships between people and their physical environment.

Anthropology 1, 3
Geography 5, 7
Plant Science 105
Psychology 10, 36

Division 4 — Personal Life and Growth

Purpose: To equip human beings for lifelong understanding of themselves as integrated physical and psychological entities and to enhance their appreciation of and participation in the social, cultural, and physical environment.

Art 13, 20, 30, 40, 50, 60, 70
Child and Family Studies 38
Dance 16
Drama 22, 32, 34
English 41, 43
Gerontology 10, 111
Health Science 90, 124
Industrial Engineering 125
Music 2 and 102, 3 and 103, 18 and 118, 21 and 121
Nutrition 53
Physical Education 31
Psychology 61, 132, 171
Recreation and Leisure Studies 80, 101
Speech 4

Division 5 — Fine Arts

Purpose: To understand the world of nonverbal expression by developing an appreciation for the integrity and harmony of works of art.

African American Studies 24
Art 1
Art History 10, 11

Chicano and Latin American Studies 7, 9
Dance 171
Drama 62, 163
Music 9, 74

Division 6 — Humanities and Literature

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

Applied Ethics 100
Armenian 148
English 20, 101, 102, 103
French 48, 109
German 48
Greek 48
History 1, 2
Humanities 10, 11, 12, 14
Italian 48
Philosophy 1, 10, 120, 131
Russian 148
Spanish 48, 140, 142

Division 7 — Languages

Purpose: To understand the nature and role of language by developing skills in speaking, reading, and writing a language other than English. *Students from non-English speaking countries cannot use their native language for General Education BREADTH, Division 7.*

Armenian 1A, 1B, 2A, 2B
Chinese 1A, 1B, 2A, 2B
Communicative Sciences and Disorders 133
French 1A, 1B, 2A, 2B
German 1A, 1B, 2A, 2B
Greek 1A, 1B
Hebrew 1A, 1B
Hmong 1A, 1B
Italian 1A, 1B, 2A, 2B
Japanese 1A, 1B, 2A, 2B
Latin 1A, 1B
Linguistics 10
Portuguese 1A, 1B
Russian 1A, 1B, 2A, 2B
Sanskrit 10A, 10B
Spanish 1A, 1B, 2A, 2B, 4A, 4B

*Man/Woman and the Natural Environment (MNE) is an 18-unit interdisciplinary thematic cluster offered through the School of Natural Sciences. For more information about this program, see *Natural Science, Interdisciplinary Courses*.