

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

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. Courses from Divisions 1 and 2 must have a laboratory component.*

### 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, 4B, 4C, 10

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

### Writing Requirement

Every course in BREADTH Divisions 2-9 requires 2,000 words of writing. The writing must be student composition which 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 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)\*  
BioSc 1A  
Botany 10  
Zoology 10

### 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 116  
Drama 22, 32, 34  
English 41, 43  
Geron 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 109, 148  
German 148  
Greek 148  
History 1, 2  
Humanities 10, 11, 12, 14  
Philosophy 1, 10, 120, 131  
Russian 148  
Spanish 140, 142, 146

### 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 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

### Division 8 — Social, Economic, and Political Systems

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

Agricultural Economics 1  
Anthropology 2  
Economics 25, 40, 50  
Geography 2, 4  
Political Science 1, 8, 120  
Social Science 15 (MNE only)\*  
Sociology 1, 2

\* 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*.