

## GENERAL EDUCATION REQUIREMENTS

The general education requirement is intended to provide breadth in the baccalaureate degree program to foster student learning beyond a single, narrow discipline or field. General education is designed to facilitate the increase of knowledge, an appreciation for learning in a broad context, the ability to relate new information to what one has previously learned, the capacity to judge information rather than to simply accept it, and the facility to use what one learns in a realistic and logical manner. In addition, the general education requirement is designed to help students to acquire the ability:

- To communicate (write, speak, and listen) clearly and effectively,
- to think critically, quantitatively, and creatively, and
- to locate and to process information.

To fulfill the general education requirement, students must complete course credits outside the major department that meet twelve (12) broadly defined goals. Students are not allowed to substitute non-general education course for general education credit. In some majors, one general education goal is considered satisfied through completion of the major (see department sections in the catalog). In such cases, the number of general education courses is reduced to eleven (11), leaving one free elective. Each general education course is designed to cover at least one, but no more than two goals. Under each of the 12 general education goals shown below, courses are listed that fulfill the goal; if more than one goal is covered, the second is shown in parentheses.

Goal 1 (Writing) and Goal 2 (Quantitative) must be completed within the first year of matriculating at the University. In conformity with the laws of the Commonwealth of Massachusetts and in partial fulfillment of the mission of the State Universities to prepare informed citizens, all students at Framingham State University must take a course meeting either general education goal eight (8) or goal ten (10) in which both the United States and Massachusetts constitutions are studied. In addition, at least one course taken under Goal 6 (Physical Science) or Goal 7 (Life Science) must be a laboratory course. Courses that include a laboratory or study of the constitutions are identified in the listing.

**Note:** Students who have withdrawn for more than one semester must follow degree and general education requirements stated in the catalog at the time of their return.

- 1. Writing: The ability to think critically and to express ideas in lucid precise language; the skills necessary for conducting research, analysis and argument; the ability to write expository and persuasive prose correctly and effectively. Note: This goal must be completed within the student's first year of attendance at the University.**

ENGL 110      Expository Writing

- 2. Quantitative: A knowledge of formal logic and a knowledge of mathematics including computation, axiomatic structure and applicability.**

MATH 110      College Mathematics I  
 MATH 117      Introduction to Statistics  
 MATH 119      Mathematics for the Liberal Arts  
 MATH 123      College Algebra  
 MATH 200      Precalculus  
 MATH 219      Calculus I

**3. Language: A basic knowledge of a language other than one's own, including its cultural context together with at least a minimal ability to read, write, speak, and comprehend.**

MLCH 171	Elementary Chinese I
MLCH 172	Elementary Chinese II
MLFR 101	Elementary French I
MLFR 102	Elementary French II
MLFR 201	Intermediate French I
MLFR 202	Intermediate French II
MLGE 151	Elementary German I
MLGE 152	Elementary German II
MLPO 141	Elementary Portuguese I
MLPO 142	Elementary Portuguese II
MLSL 121	American Sign Language I
MLSP 131	Elementary Spanish I
MLSP 132	Elementary Spanish II
MLSP 231	Intermediate Spanish I
MLSP 232	Intermediate Spanish II

**4. Literature or Philosophy: A knowledge of a coherent group of important works of literature and understanding of the interaction of historical context, artistic tradition and individual talent;**

**or**

**An understanding of the development of significant philosophical ideas and systems including applications to ethical issues.**

BIOL/PHIL 222	Bioethics	
ENGL 111	Approaches To Literature	
ENGL 201	Mythology & Folklore	(12)
ENGL 202	Comparative Mythology	(11)
ENGL 203	Global Perspectives in Literature	(11)
ENGL 220	Shakespeare	(12)
ENGL 232	Irish Literature	
ENGL 243	The American Short Story	(12)
ENGL 245	The American Novel	(12)
ENGL 250	Literature and Gender	
ENGL 260	American Ethnic Literature	(12)
ENGL 261	American Writers I	(12)
ENGL 262	American Writers II	(12)
ENGL 264	African American Literature	(12)
ENGL 269	Women Writers	
ENGL 271	Development of the Drama	
ENGL 277	Contemporary World Literature by Women	(12)
PHIL 101	Invitation to Philosophy	

PHIL 102	Introduction to Ethics: Why Be Moral?	(12)
PHIL 103	Introduction to Logic	
PHIL 105	Introduction to Political and Social Philosophy	(12)
PHIL 118	Introduction to Philosophy of Science	

**5. Visual or Performing Arts: A knowledge of a coherent group of important works in music and art, and understanding of the interaction of historical context, artistic tradition and individual talent;**

**or**

**An option to demonstrate knowledge of a language in an area of the performing arts acquired through the development of skills in non-verbal (or verbal) communications.**

ARTH 160	Introduction to the World of Art	
ARTH 200	Art and Social Values	(12)
ARTH 270	History of Art I	(11)
ARTH 272	History of Art II	
ARTH 273	Modern Art History	
ARTH 282	American Art	
ARTH 285	The Art of Asia	(11)
ARTH 288	Latin American Art	(11)
ARTH 290	Study Tour: Art & Architecture	
ARTS 120	Introduction to Painting	
ARTS 167	Introduction to Studio Art	
ARTS 200	Drawing Fundamentals	
ARTS 241	Ceramics	
ARTS 290	Study Tour: Art & Architecture	
COMM 107	Effective Speaking	
COMM 130	Introduction to Visual Communication	
COMM 201	Oral Interpretation of Literature	
COMM 208	Basic Photography	
COMM 210	History of Photography	
COMM 212	Drama Workshop	
CSCI 108	HTML, JavaScript Programming, and Web Site Development	
ENGL 207	Language of Film	
ENGL 209	Film History; 1985 to 1960	
ENGL 229	Film History: 1960 to Present	
FASH 223	History of Costume	
FASH 278	History of Furniture	
INTD 160	Image, Sound, and Structure: An Approach	
MUSC 121	Music Appreciation	
MUSC 141	American Musics	

MUSC 151	History and Literature of Jazz	
MUSC 171	World Music Cultures	(11)
MUSC 205	Music of the Romantic Period	
MUSC 212	Music, Dance, and Ritual in the Pacific	(11)
MUSC 220	Women in Music	(12)

**6. Physical Science: An understanding of the classical and modern principles of physical science, together with a critical appreciation of how scientific knowledge has been constructed, including methods of validating the results of scientific inquiry.**

ASTR 220	The Solar System	
ASTR 230	Stars and Galaxies	
CHEM 101	Chemistry of Life	
CHEM 103	General Chemistry	(LAB)
CHEM 107	Principles of Chemistry	(LAB)
CHEM 108	Principles of Chemistry & Quantitative Analysis	(LAB)
CHEM 131	Science - Environment & Health	(LAB)
EASC 131	Conversations with the Earth	
EASC 241	Introduction to Meteorology	
EASC 246	Oceanography	
FDSC 151	Principles of Food Science	
FDSC 161	Introduction to Food Science & Technology	(LAB)
GEOL 231	Physical Geology	(LAB)
GEOL 232	Historical Geology: Global Climate Change Through Deep Time	(LAB)
PHSC 109	Introduction to Physical Science	(LAB)
PHYS 111	Physics, Nature, and Society	(LAB)
PHYS 201	Introductory Physics	(LAB)
PHYS 211	Principles of Physics I	(LAB)

**7. Life Science: An understanding of the classical and modern principles of biological science, together with a critical appreciation of how scientific knowledge has been constructed, including methods of validating the results of scientific inquiry.**

BIOL 101	Biological Concepts	(LAB)
BIOL 103	Ecological Implications of Conservation	
BIOL 112	Biology of Marine Organisms	(LAB)
BIOL 114	Human Perspective on Genetics	
BIOL 142	Introduction to Human Biology	(LAB)
BIOL 200	Introduction to Environmental Science	
BIOL 203	Plants and Society	
NUTR 205	Nutrition Science and Applications	

**8. Historical Studies: A knowledge of the history of western cultures including comparative political and economic systems, and taking into account the contributions of groups usually excluded.**

HIST 153	Western Civilization to the Renaissance	
HIST 154	Western Civilization since the Renaissance (Constitution)	
HIST 155	Comparative History of World Civilizations	(11)
POSC 212	Political Theory: Age of Ideology	

**9. Social and Behavioral Science: An understanding of the principles of behavioral and social sciences and/or institutions, together with a critical appreciation of how scientific knowledge has been constructed, including methods of validating the results of scientific inquiry in studying human behavior.**

ANTH 161	Cultural Anthropology	(11)
ANTH 172	Interpreting the Past: Archaeological	
ECON 102	Principles of Microeconomics	
GEOG 101	Introduction to Human Geography	
GEOG 110	World Regional Geography	(11)
GEOG 206	Political Geography	(12)
GEOG 211	Cultural Geography	
PSYC 101	General Psychology	
PSYC 200	Psychology of Development	
PSYC 201	Child Development	
PSYC 212	Adolescent Development	(12)
PSYC 224	Social Psychology	(12)
PSYC 231	Adult Developmentng	
PSYC 273	Environmental Psychology	
SOCI 101	Introduction to Sociology	(12)
SOCI 234	Investigating Social Forces in American Society	

**10. Forces in the United States: An understanding of the various social, political, economic, historical, geographical, or technological forces at work in the United States.**

CSCI 135	Information Technology and Society	
CSCI 138	Information Technology and the Environment	
ECON 101	Principles of Macroeconomics	
GEOG 135	Introduction to Environmental Studies	
GEOG 165	Global Cities	
GEOG 180	Native Americans: Geographical & Legal Perspectives	
GEOG 235	Environmental Law and Policy	
GEOG 250	Geography of the U.S. & Canada	
HIST 151	U.S. History to Reconstruction	(Constitution)
HIST 152	U.S. History since Reconstruction	(Constitution)

POSC 110	Introduction to American Politics	(Constitution)
POSC 250	American Legal Systems	(Constitution)
SOCI 130	Social Problems	(12)
SOCI 230	Law and Society	
SOCI 280	Aging in Society	
SOCI 282	Society, Technology, and the Future	

**11. Non-Western Studies: An understanding and appreciation of non-western cultures past and present.**

ANTH 161	Cultural Anthropology	(9)
ANTH 172	Interpreting the Past: Archaeological Perspectives	(9)
ANTH 207	Global Issues in Anthropology	
ANTH 243	Native American Cultures	(12)
ANTH 253	Gender Across Cultures	(12)
ARTH 270	History of Art I	(5)
ARTH 285	The Art of Asia	(5)
ARTH 288	Latin American Art	(5)
ANTH 290	Non-Western Cultural Studies Tour	
ENGL 202	Comparative Mythology	(4)
ENGL 203	Global Perspectives in Literature	(4)
FASH 253	Cultural Dress	
GEOG 110	World Regional Geography	(9)
GEOG 222	Geographic Perspectives on Globalization	
GEOG 253	Geography of Post Soviet Republics	
GEOG 254	Geography of Monsoon Asia	
GEOG 255	Geography of Sub-Saharan Africa	
GEOG 256	Geography of the Middle East	
GEOG 257	Geography of Latin America	(12)
GEOG 290	Non-Western Regional Geography: Field Study	
HIST 155	Comparative History of World Civilizations	
MLLI 110	The Languages of the World	
MUSC 171	World Music Cultures	(5)
MUSC 212	Music, Dance, and Ritual in the Pacific	(5)
POSC 120	Introduction to World Politics	
POSC 220	The Politics of Globalization	
POSC 260	Comparative Political Systems	
SOCI 256	Religion and Ritual	

**12. Gender, Class, and Race: An understanding of differing experiences and perspectives related to issues of gender, class, and race.**

ANTH 243	Native American Cultures	(11)
ARTH 200	Art and Social Values	(5)
COMM 245	Cultural Aspects of Media Representation	
ENGL 201	Mythology & Folklore	(4)
ENGL 220	Shakespeare	(4)
ENGL 243	The American Short Story	(4)
ENGL 245	The American Novel	(4)
ENGL 260	American Ethnic Literature	(4)
ENGL 261	American Writers I	(4)
ENGL 262	American Writers II	(4)
ENGL 264	African American Literature	(4)
ENGL 277	Contemporary World Literature By Women	(4)
GEOG 206	Political Geography	(9)
GEOG 225	Population, Food, and Global Development	
GEOG 252	Geography of Europe	
GEOG 257	Geography of Latin America	(11)
MUSC 220	Women in Music	(5)
PHIL 102	Introduction to Ethics: Why Be Moral?	(4)
PHIL 105	Introduction to Political and Social Philosophy	(4)
POSC 216	Film and Politics	
PSYC 212	Adolescent Development	(9)
PSYC 224	Social Psychology	(9)
SOCI 101	Introduction to Sociology	(9)
SOCI 130	Social Problems	(9)
SOCI 212	Sociology of the Family	
SOCI 218	Women in Society	
SOCI 220	Sport in Society	
SOCI 245	Race and Ethnic Relations	
SOCI 253	Gender Across Cultures	(11)
SOCI 258	Critical Approaches to Men and Masculinities	
SOCI 263	Social Inequality	

**Study of the Constitutions: All students must take one course that includes study of both U.S. and Massachusetts constitutions, to be chosen from among the following courses that satisfy general education goal 8 or 10.**

HIST 151	United States History to Reconstruction	(10)
HIST 152	United States History since Reconstruction	(10)
HIST 154	Western Civilization since the Renaissance	(8)
POSC 110	Introduction to American Politics	(10)
POSC 211	Political Theory: Justice, Law, and Order	
POSC 250	American Legal Systems	(10)

**Laboratory Courses: All students must take one laboratory science, to be chosen from among the following courses that satisfy general education goal 6 or 7.**

BIOL 101	Biological Concepts	(7)
BIOL 112	Biology of Marine Organisms	(7)
BIOL 142	Introduction to Human Biology	(7)
CHEM 103	General Chemistry	(6)
CHEM 107	Principles of Chemistry	(6)
CHEM 108	Principles of Chemistry & Quantitative Analysis	(6)
CHEM 131	Science - Environment & Health	(6)
FDSC 161	Introduction to Food Science & Technology	(6)
GEOL 231	Physical Geology	(6)
GEOL 232	Historical Geology	(6)
PHSC 109	Introduction to Physical Science	(6)
PHYS 111	Physics, Nature, and Society	(6)
PHYS 201	Introductory Physics	(6)

**Course Descriptions** – Found at the end of each department section in this catalog, each course number and title has a brief description of its content, followed by a statement on prerequisites, if any, explaining the requirements for admission to the course. Courses appropriate for general education are identified by **(Gen. Ed. Goal)** following the title.

**Course Prerequisites** - It is the student's responsibility to be aware of and have met prerequisites prior to attempting any course. Course prerequisites may be found in the University Catalog as part of the course description.

## GENERAL EDUCATION REQUIREMENTS FOR THE COORDINATED EDUCATION MAJORS IN EARLY CHILDHOOD AND ELEMENTARY EDUCATION

All students at the University must satisfy a general education requirement consisting of courses that fulfill the twelve (12) general education goals. The courses, with subjects related to the Massachusetts Curriculum Frameworks, are required for students in the Coordinate Major in Elementary Education and are recommended for students in the Coordinate Major in Early Childhood Education. Please refer to the Education Department for a complete listing of the required courses.

### PLACEMENT TESTING

Each incoming student must take placement examinations in writing, mathematics, and reading, which are administered prior to orientation for new students. Students may also take French and/or Spanish placement examinations.

Information regarding Placement Testing dates and times may be found at <http://www.framingham.edu/first-year-programs/placement-testing/index.html>.

Contact the Office of First Year Programs located in Dwight Hall 216 for reservations.

### PLACEMENT CODE INTERPRETATION

#### Writing Scores:

<u>Code</u>	<u>Explanation</u>
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- |   |  |
|---|--|
| 1 | May not take a college level writing course at Framingham State University.  |
| 2 | Must complete ENGL 100 Introduction to College Writing before enrolling in ENGL 110 Expository Writing.  |
| 3 | May register for ENGL 110 Expository Writing, which meets the University's general education writing requirement. Note: A reading code of 3 is also required to register for ENGL 110. |
| 4 | Completed ENGL 100 Introduction to College Writing.  |
| 5 | Transfer coursework accepted.  |

*Note: First-Year First-Time students cannot drop ENGL 100 Introduction to College Writing or ENGL 110 Expository Writing unless a completed, including signatures, Course Add/Drop form for another section of the same course is presented to the Office of the Registrar during the first six class days of the semester.*

#### Reading Scores:

<u>Code</u>	<u>Explanation</u>
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- |   |   |
|---|---|
| 1 | Indicates student must retest and is not eligible to enroll in ENGL 110 Expository Writing.                                       |
| 2 | Indicates student may enroll in ENGL 110 Expository Writing if Writing Placement is equal to 3 or higher.                         |
| 3 | Indicates student has completed remedial coursework and may enroll in ENGL 110 Expository Writing.                                |
| 4 | Indicates two or more credit bearing courses has been accepted in transfer and student may enroll in ENGL 110 Expository Writing. |

**Mathematic Scores:**Code Explanation

- 1 Indicates student may not take a credit-bearing math course at Framingham State University. Student must first complete MATH 095 General Mathematics or similar remedial course at another college.
- 2 Indicates student may enroll in non-algebraic math courses: MATH 110 College Mathematics I (for Coordinate majors in Education), MATH 117 Introduction to Statistics, and MATH 119 Math for the Liberal Arts.
- 3 Indicates remedial coursework equivalent of MATH 095 General Mathematics accepted as transfer coursework and student may take any 100-level math course listed above, as well as MATH 123 College Algebra.
- 4 Indicates student may take any 100-level math course listed above, as well as MATH 123 College Algebra.
- 5 Indicates student may enroll in MATH 200 Precalculus or, after consultation with the Mathematics Department, MATH 219 Calculus I; or any 100-level mathematics course appropriate for the student's major discipline.

**Modern Languages Scores:**Code Explanation

- 0 Indicates student scored between 0 and 49 and may take Elementary I level of a language at Framingham State University.
- 1 Indicates student scored between 50 and 64 and may take Elementary II level of a language at Framingham State University.
- 2 Indicates student scored between 65 and 73 and may take Intermediate I level of a language at Framingham State University.
- 3 Indicates student scored between 74 and 79 and may take Intermediate II level of a language at Framingham State University.
- 4 Indicates student scored between 80 and 100 and may take any 300-level and above of a language at Framingham State University.
- 5 Indicates student has completed Level IV of a language in high school.

*Note: Student will be waived from the Goal 3 General Education requirement if a placement score of 1 or higher is achieved. Students majoring in English with a placement code of 5 will be waived from the English major requirement of completion of Intermediate II level of a language.*