### FIRST YEAR

#### FALL SEMESTER
- **GE A**
- **WRIT 150**
- **MATH 126 (GE F)**
- **CE 110**
- **ENGR 102**
- **OPTIONAL ELECTIVE**

#### SPRING SEMESTER
- **GE B**
- **CHEM 105aL (GE E)**
- **MATH 226 or MATH 229**
- **PHYS 151L (GE E)**
- **CE 108**

### SECOND YEAR

#### FALL SEMESTER
- **ENE 215**
- **CHEM 105bL (GE F)**
- **PHYS 152L**
- **CE 215**
- **CE 119**
- **OPTIONAL ELECTIVE**

#### SPRING SEMESTER
- **CE 309**
- **ENE 200**
- **MATH 245**
- **CE 225**
- **OPTIONAL ELECTIVE**

### THIRD YEAR

#### FALL SEMESTER
- **GE C**
- **CE 408**
- **CE 358**
- **CE 456**
- **ISE 460**
- **OPTIONAL ELECTIVE**

#### SPRING SEMESTER
- **CHE 330**
- **CE 402**
- **BISC 220L (GE D)**
- **CE 451**
- **CE 363L**
- **OPTIONAL ELECTIVE**

### FOURTH YEAR

#### FALL SEMESTER
- **GE C**
- **GE B**
- **WRIT 340**
- **CE 410L**
- **OPTIONAL ELECTIVE**

#### SPRING SEMESTER
- **CE 480**
- **CE 467L**
- **CE 485**
- **ENE 428**
- **OPTIONAL ELECTIVE**

### MATHEMATICS (12 UNITS)
- MATH 126 OR MATH 129: Calculus II
- MATH 226 OR MATH 229: Calculus III
- MATH 245: Mathematics of Phys. and Engr.

### PHYSICS (8 UNITS)
- PHYS 151L: Mechanics and Thermodynamics
- PHYS 252L: Electricity and Magnetism

### OTHER SCIENCE (12 UNITS)
- CHEM 105AL: General Chemistry
- CHEM 105BL: General Chemistry
- BISC 220L: Cell Biology and Physiology

### GENERAL EDUCATION (32 UNITS)
- GE A: The Arts (1 Course)
- GE B: Humanistic Inquiry (2 Courses)
- GE C: Social Analysis (2 Courses)
- GE D: Life Sciences (1 Course)
- GE E: Physical Sciences (1 Course)
- GE F: Quantitative Reasoning (1 Course)
- GE G,H: Global Perspectives (2 Courses)
- GESM: General Education Seminar (1 Course)

### WRITING (7 UNITS)
- WRIT 150: Writing and Critical Reasoning
- WRIT 340: Advanced Writing

### ENGINEERING (75 UNITS)
- CE 108: Intro to CE Computer Methods
- CE 110: Intro to Environmental Engineering
- CE 119: Probability Concepts and Civil Engineering
- CE 215: Statics & Dynamics
- CE 225: Mechanics of Deformable Bodies
- CE 308: Fluid Mechanics
- CE 358: Elementary Theory of Structures
- CE 363L: Water Chemistry and Analysis
- CE 408: Risk & Decision Analysis in Civil Engr.
- CE 410L: Introduction to Environmental Engineering
- CE 451: Water Resources Engineering
- CE 467L: Geotechnical Engineering
- CE 485: Wastewater Treatment Design
- ENE 200: Environmental Engr. Principles
- ENE 215: Energy Systems and Environmental Tradeoffs
- ENE 428: Air Pollution Fundamentals
- ENGR 102: Engineering Freshman Academy
- ISE 460: Engineering Economy

### SPECIAL NOTES
Courses with the AP/IB symbol may be satisfied with AP, IB or A-Level exams. See page 17 for more information.

GE: Engineering students are encouraged to satisfy GE G and GE H with a course that also satisfies a Core Literacy. GE H may be satisfied by exam. Additionally, your GESM course should be taken in categories A, B, C, or D only. See page 21 for more information and consult your advisor for detailed assistance.

OPTIONAL ELECTIVES: Consult with your academic advisor to explore optional elective courses. These courses are not required.

CE 215, 225, AND 308: Minimum grade of “C” is required.