# Civil (Structural)

## First Year

### Fall Semester
- **GE A**
- **WRIT 150**
- **MATH 125** (GE F)
- **CE 106L**
- **ENGR 102**

### Spring Semester
- **GE B**
- **CHEM 105aL** (GE E)
- **MATH 126 or MATH 129**
- **PHYS 151L** (GE E)
- **CE 108**

## Second Year

### Fall Semester
- **GE C**
- **GE D**
- **MATH 226 or MATH 229**
- **PHYS 152L**
- **CE 205**

### Spring Semester
- **GEOL 305L**
- **CE 207L**
- **MATH 245**
- **CE 225**
- **CE 235**

### Third Year

### Fall Semester
- **CE 309**
- **CE 334L**
- **CE 358**
- **CE 456**
- **CE 473**

### Spring Semester
- **CE 457**
- **EE 202L or EE 326Lx**
- **CE 458**
- **CE 467L**

### Fourth Year

### Fall Semester
- **CE 478**
- **CE 408**
- **CE 459**
- **CE 460**
- **CE 482**

### Spring Semester
- **WRIT 340**
- **GE C**
- **CE 402**
- **CE 451**
- **CE 480**

## Mathematics (16 Units)
- **MATH 125**: Calculus I
- **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 152L**: Electricity and Magnetism

## Other Science (8 Units)
- **CHEM 105AL**: General Chemistry
- **GEOL 305L**: Intro. to Engineering Geology

## 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 (70 Units)
- **CE 106L**: Design & Planning of CE Systems
- **CE 108**: Intro. to CE Computer Methods
- **CE 205L**: Statics
- **CE 207L**: Intro. to Design of Structural Systems
- **CE 225**: Mechanics of Deformable Bodies
- **CE 309**: Fluid Mechanics
- **CE 235**: Dynamics
- **CE 334L**: Mechanical Behavior of Materials
- **CE 358**: Theory of Structures I
- **CE 402**: Computer Methods in Civil Engr.
- **CE 408**: Risk Analysis in Civil Engr.
- **CE 451**: Water Resources Engineering
- **CE 456**: Design of Steel Structures
- **CE 457**: Reinforced Concrete Design
- **CE 458**: Theory of Structures II
- **CE 459**: Intro. to Structural Dynamics
- **CE 460**: Construction Engineering
- **CE 467L**: Geotechnical Engineering
- **CE 473**: Engineering Law, Finance & Ethics
- **CE 478**: Timber & Masonry Design
- **CE 480**: Structural Systems Design
- **CE 482**: Foundation Design
- **EE 202L**: Linear Circuits
- **EE 326Lx**: Essentials of Electrical Engr

## *Special Notes*
- Courses with this 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 pp. 16-17 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 205, 225, 309, AND 235**: Minimum grade of “C” is required.

- **EE 326Lx**: CE students are encouraged to take EE 326Lx in the spring.

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