# Civil Engineering

## Mathematics (12 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 (8 units)
- WRIT 150: Writing and Critical Reasoning
- WRIT 340: Advanced Writing

## Engineering (72-74 units)
- CE 106: Introduction to Civil Engineering
- CE 107: Intro. To Civil Engineering Graphics
- CE 108: Intro. to CE Computer Methods
- CE 119: Statics & Dynamics
- CE 215: Mechanics of Deformable Bodies
- CE 225: Structural Design I
- CE 309: Structural Design 2
- GE 8: Optional Elective

## Special Notes
Courses with the * symbol may be satisfied with AP, IB or A-Level exams. See page 18 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 AP/IB. Additionally, your GESM course should be taken in categories A, B, or C only. See page 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 215, 225, and 309: Minimum grade of “C” is required.

Civil Engineering Elective: Choose at least two units of upperdivision CE coursework that is not already required.

Advanced Computing Elective: Choose one course from CE 423 or ENE 440.

Math 125: For students starting with Calculus 1, the advanced computational course will be waived for your requirements.