CONSTRUCTION ENGINEERING AND MANAGEMENT PROGRAM (126 hours)

The required courses are normally taught in fall or spring semesters as indicated below.
Each student is responsible for tracking future changes in this schedule.

### FIRST YEAR

#### FALL
- **General Chemistry**<sup>*</sup>
  - CHEM 103/133 (4)
- **Computer Science**
  - CISC 106 (3)
- **Intro. to Engineering**
  - EGGG 101 (2)
- **Analy. Geom. & Calc. A**<sup>*</sup>
  - MATH 241 (4)
- **Breadth Req. (CEM list)**
  - (3)

#### SPRING
- **Introduction to CEM**
  - CIEG 191 (3)
- **Seminar in Composition**
  - ENGL 110 (3)
- **Analy. Geom. & Calc. B**<sup>*</sup>
  - MATH 242 (4)
- **Fundamentals of Physics I**<sup>*</sup>
  - PHYS 207/227 (4)
- **Breadth Req. (CEM list)**
  - (3)

### SOPHOMORE YEAR

#### FALL
- **Statics (H)**
  - CIEG 211 (3)
- **Enviro., Health, and Safety (H)**
  - CIEG 292 (3)
- **CAD and BIM in Construct.**
  - CIEG 291 (3)
- **Prob. & Stats. for Engineers**
  - CIEG 315 (3)
- **Science/Math Elective (a)**
  - (4)

#### SPRING
- **Solid Mechanics**
  - CIEG 212 (3)
- **Civil Eng. Materials Lab**
  - CIEG 213 (1)
- **Construction Materials**<sup>*</sup>
  - CIEG 214 (3)
- **Introduction to Surveying**
  - CIEG 322 (3)
- **Public Spking/Prof Present.**
  - COMM 212(3)
- **Math Course (b)**
  - (3)

### JUNIOR YEAR

#### FALL
- **Construct. Est./Cost Ctrl (H)**
  - CIEG 391 (3)
- **Struct. Analysis/Design (H)**
  - CIEG 301 (4)
- **Soils Mech and Fndation Eng**
  - CIEG 320 (3)
- **Soils Mech/Fndation Eng Lab**
  - CIEG 322 (3)
- **Fluid Mechanics (H)**
  - CIEG 305 (3)
- **Breadth Req. (CEM list)**
  - (3)

#### SPRING
- **Survey of Accounting**<sup>*</sup>
  - ACCT 200 (4)
- **Construction Plan/Sched. (H)**
  - CIEG 392 (3)
- **Construction Law/Reg.**
  - CIEG 394 (3)
- **Engineering Proj. Mgmt. (H)**
  - CIEG 486 (3)
- **Breadth Req. (CEM list)**
  - (3)

### SENIOR YEAR

#### FALL
- **Optim. in Design/Const.**
  - CIEG 459 (3)
- **Constr. Means/Methods (H)**
  - CIEG 393 (3)
- **Co-op in Civil/Enviro Eng.**
  - CIEG 481 (3)
- **Technical Elective (c)**
  - (3)
- **Breadth Req. (CEM list)**
  - (3)

#### SPRING
- **Senior Design**
  - CIEG 491 (4)
- **Technical Elective (c)**
  - (3)
- **General Elective**
  - (3)
- **Breadth Req. (CEM list)**
  - (3)

*Grade of C- or higher for degree requirement or as pre-requisite for other courses.
(H) Department of Civil and Environmental engineering offers an honors section of this course.

All breadth requirements (18 credit hours) and ENGL110 require a C- or better. See Undergraduate Catalog for more information.

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a) one course from: BISC207, BISC208, GEOL105/115, GEOL107, GEOG152, MATH243, PHYS208/228, PLSC204/205
b) MATH 349 (Elementary Linear Algebra) or MATH 351 (Engineering Math I). 351 requires MATH 243.
c) two courses from: CIEG 343, CIEG 402, CIEG 492, CIEG 493, CIEG 495, CIEG496, or other approved elective