Bachelors of Science Degree in Civil Engineering, CSU Fullerton

First Year
- Calculus I
  - Math 150A (4 F, SP, S)
- Calculus II
  - Math 150B (4 F, SP, S)
- GE Course D 4
  - Engineering Surveying
    - GECE 214
      - GECE 214L
        - Phys. 225 (3 F, SP)
- GE Course GE A 1
  - Oral Comm.
    - Chem 125 (3 F, SP)
- General Chemistry
  - Phys. 225L (3 F, SP)
- GE Course GE A 2
  - ENGL 101 (3 F, SP)
- GE Course C 1
  - Intro to Arts (3 F, SP)
- GE Course C 3
  - American Hist. (3 F, SP)

Second Year
- Calculus III
  - Math 250A (4 F, SP)
- GE Course GE C 2
  - GECE 201
    - GECE 301
      - (3 F, SP)
- Engineering Surveying Lab
  - GECE 206 (1 F, SP)
- Statics
  - GECE 214L (1 F, SP)
- Dynamics
  - GECE 214L (1 F, SP)
- Fundamental Physics Mech. (Lab)
  - Phys. 225L (3 F, SP)
- Fundamental Physics E & M (Lab)
  - Phys. 225L (3 F, SP)
- Fundamental Physics E & M
  - Phys. 226 (3 F, SP)
- Fundamental Physics E & M (Lab)
  - Phys. 226L (1 F, SP)
- Basic Science Elective
  - (3 F, SP)
- GE Course C 4
  - World Civ. (3 F, SP)

Third Year
- Linear Algebra & Differential Equations
  - Math 250B (4 F, SP)
- Mechanics Of Materials
  - GECE 301 (3 F, SP)
- Engineering Hydraulics
  - GECE 428 (3 F, SP)
- Soil Mechanics
  - GECE 324 (3 F, SP)
- Environmental Engineering
  - GECE 411 (3 F, SP)
- Structural Steel
  - GECE 430 (3 F, SP)
- Technical Electives (12 Units)

Fourth Year
- Foundation Design
  - GECE 325 (3 F, SP)
- Structural Analysis
  - GECE 408 (3 F, SP)
- Reinforced Concrete Design
  - GECE 418 (3 F, SP)
- Soil Mechanics Lab
  - GECE 377 (1 F, SP)
- Soil Mechanics Lab
  - GECE 324L (1 F, SP)
- CE Technical Elective
  - (3 See List Below)
- Construction Engineering
  - GECE 428L (1 F, SP)
- Engineering Hydraulics Lab
  - GECE 441 (3 F, SP)
- CE Technical Electives
  - (3 See List Below)
- Engineering Economy & Professionalism
  - GECE 401 (3 F, SP)

Technical Electives (12 Units)
- GECE 411 Structural Dynamics (3)
- GECE 435 Design of Hydraulic Structures (3)
- GECE 436 Engineering Hydrology (3)
- GECE 463 Precast and Prestressed Concrete Design (3)
- GECE 465 Planning and Control of Engineering Construction Projects (3)
- GECE 466 Transportation Engineering (3)
- GECE 493 Structural Systems Emphasis on Hiprise Structures (3)
- GECE 496 Architectural Engineering Design (3)
- GECE 497 Senior Project (1-3)
- GECE 499 Independent Study (1-3, 400-level Special Courses offered by CEE department (3)
- *ECN 100 Introduction to Engineering (3)

A CEE student should take one additional science course among the following science courses - BIOL 101 or GEO1 101 or GEO 140.

*Department Chair's approval required prior to registration.

See CEE Undergraduate Brochure for list of GE courses.

Course Name
Course # (Units) Semester
Introductory Engineering
Civil Engineering Core
Civil Engineering Electives
Mathematics Courses
Science Courses
General Education

Prerequisite
Co-requisite