B.S. in CIVIL ENGINEERING

Suggested 4-Year Academic Flowchart

2019-2020 Catalog

FRESHMAN

Fall	Winter	Spring

Computer Aided Drafting in Civil Engineering
CE 111 (3)

Introduction to Civil Engineering
CE 112 (2)

General Chemistry for Physical Science & Engineering I
CHEM 124 (4)

General Physics IA
PHYS 141 (4)

Expository Writing
ENGL 133/134 (4)**

Oral Communication
COMS 101/102 (4)**

Technical Writing for Engineers
ENGL 149 (4)**

Fall	Winter	Spring	Fall	Winter	Spring

Introduction to Transportation Engineering
CE 222 (3)

Mechanics of Materials I
CE 204 (3)*

Mechanics of Materials II
CE 207 (2)*

Programming Applications in Engineering
CE 251 (2)

Structural Engineering
CE 352 (4)

Civil Engineering Materials
CE 259 (2)

Reinforced Concrete Design
CE 355 (4)

General Chemistry for Physical Science & Engineering II
CHEM 125 (4)

General Physics II
PHYS 142 (4)

Materials Engineering
MATE 210 (3)

Materials Laboratory I
MATE 215 (1)

CTEBSU

Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring

Senior Design Project I and II
CE 465 (1)

Senior Design Project II
CE 467 (3)**

Required Technical Electives
Approved Technical Elective
Approved Technical Elective
Approved Technical Elective

Notes:

MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET
* Refer to current catalog for prerequisites.
** One course from each of the following GE areas must be completed: A1, A2, C1, C2, C3, C4, D1, D2, D3, E (formerly GE D4). C4 should be taken only after Junior standing is reached (90 units).
† Course can be taken previously or concurrently.
‡ 24 units Technical Electives. See catalog for course options and additional guidelines.

Course Title
Course # (Units)

Legend:

- Major (72)
- Support (78-80)
- General Ed. (40)