

Bachelor of Science in Civil Engineering

Year 1

Year 2

Year 3

Year 4

Math 30
(4 units)
Calculus I

ALEKS or Math 29

Math 31
(4 units)
Calculus II

Math 30

Math 45
(3 units)
Diff Eqns.

Math 31

Math 100 (or 35)
(3 units)
Lin. Algebra

Math 31 (or 30)

ENGR 110
(3 units)
Dynamics

*ENGR 30, Math 45,
Math 100 (35)*

ENGR 132
(3 units)
Fluid Mech

ENGR 110 (co)

CE 130 | CE 130L
(3 units) | (1 unit)
Water Res. Eng.

*CE 1, ENGR 115, ENGR
132, CE 101, WPJ*

CE 160L
(1 unit)
Structural Lab

ENGR 112, CE 101, WPJ

CE 4
(2 units)
Eng. Graphics

Phys 11A
(4 units)
Mechanics

Math 31 (co)

Phys 11C
(4 units)
Elect. & Mag.

Math 31, Phys 11A

ENGR 30
(3 units)
Eng. Mechanics

Math 31, Phys 11A

ENGR 112
(3 units)
Mech Materials

*ENGR 30, ENGR 45,
Math 45, CE 4 (co)*

CE 170 | CE 170L
(3 units) | (1 unit)
Soil Mechanics

*CE 1, ENGR 112, CE 100,
CE 101, WPJ*

CE 190
(3 units)
Proj. Skills

*One of: CE 130, CE 140,
CE 150, CE 160, CE 170*

CE 191
(3 units)
Senior Project

*CE 190,
Final Semester*

Chem 1E
(4 units)
Chem. for Eng.

*Diagnostic or Chem 4
Math 30 (co)*

CE 9 | CE 9L
(2 units) | (1 unit)
Surveying

Math 30 (co)

ENGR 45
(3 units)
Eng. Materials

Math 30, Chem 1E (co)

General
Education
(English 20)

ENGR 115
(3 units)
Eng. Statistics

Math 31 (co)

CE 150 | CE 150L
(2 units) | (1 unit)
Princ. Env. Eng.

*CE 1, Ch 1E, ENGR 115,
CE 101 (co), WPJ*

CE 151
(2 units)
Env. Eng. Prac.

CE 150

CE Elective

General
Education

General
Education

General
Education

General
Education

CE 100
(2 units)
Eng. Geology

ENGR 112 (co)

CE 160
(3 units)
Struct. Analysis

*CE 1, ENGR 112, CE 101
Math 100 (35)*

CE 140 | CE 140L
(3 units) | (1 unit)
Transport. Eng.

*CE 1A, ENGR 115, CE
101, CE 9 & CE 9L, WPJ*

CE Elective

General
Education

General
Education

General
Education

General
Education

CE 101
(3 units)
CE Comp. App.

CE 4 (co), ENGR 30

General
Education
(Writing Intensive)

CE Elective

CE Elective

CE 1
(1 unit)
CE Seminar

WPJ Exam
(Before any Upper
Division CE Labs)

FE Exam
(Other Topics)

FE Exam
(Civil Engineering)

17 units

2 Labs

17 units

2 Labs

16 units

2 Labs

15 units

No Labs

14 units

No Labs

16 units

2 Labs

16 units

2 Labs

13 units

2 labs

Civil Engr.
50 units

Engineering
18 units

Math/Sci.
26 units

General Ed.
30 units

Total
124 units