

OREGON STATE UNIVERSITY CIVIL ENGINEERING
2024-2025 Catalog Year

FIRSTYEAR

SECONDYEAR

Fall Winter Spring Fall Winter Spring

ENGR 100
The OSU Engineering Student
F, W, S, U (3)

ENGR 102
Design Engineering & Problem Solving
F, W, S, U (3)

ENGR 103
Computation & Algorithmic Thinking
F, W, S, U (3)
ENGR 102

ENGR 211
Statics
F, W, S, U (3)
MTH 252

ENGR 213
Strength of Materials
F, W, S, U (3)
ENGR 211

ENGR 212
Dynamics
W, S (3)
ENGR 211

MTH 251
Differential Calculus
BaccCore: Math
F, W, S, U (4)
MTH 112Z

MTH 252
Integral Calculus
F, W, S, U (4)
MTH 251

MTH 254
Vector Calculus I
F, W, S, U (4)
MTH 252

MTH 264+265
Matrix Algebra & Series
F, W, S, U (2+2)
MTH 252

MTH 256
Applied Differential Equations
F, W, S, U (4)
MTH 254

ST 314
Statistics for Engineers
F, W, S, U (3)
MTH 252

CH 201
Chemistry for Engineers 1
F, W (3)
MTH 111Z

CH 202
Chemistry for Engineers 2
W, S (3)
CH 201

ECON 201
Microeconomics
BaccCore: SPI
F, W, S, U (4)

PH 211
Physics w/ Calc 1
BaccCore: PhySci
F, W, S, U (4)

PH 212
Physics w/ Calc 2
BaccCore: PhySci
F, W, S, U (4)
PH 211

PH 213
Physics w/ Calc 3
F, W, S, U (4)

WR 121Z
Composition I
BaccCore: WR 1
F, W, S, U (4)

CH 205
Chemistry for Engineers Lab
W, S (1)
CH 202 (co-req)

Bacc Core:
Western Culture*
F, W, S, U (3)

CCE 201
Graphics & Design
F, W (3)
MTH 111Z

CE 202
Geospatial Info & GIS
W, S (3)
CCE 201

WR 227Z
Technical Writing
BaccCore: WR2
F, W, S, U (4)
WR 121Z

HHS 231
BaccCore: Lifetime Fitness for Health
F, W, S, U (2)

COMM 111Z or 114
BaccCore: Comm
F, W, S, U (4/3)

PAC
Bacc Core: Physical Activity*
F, W, S, U (1)

CCE 207
CCE Seminar
F (1)
ENGR 103

Bacc Core:
Cultural Diversity*
F, W, S, U (3)

KEY:
F, W, S, U – Term course is offered (F-Fall, W-Winter, S-Spring, U-Summer).
(X) – Number of credits. *Course in italics* – Prerequisite (or co-requisite).

OREGON STATE UNIVERSITY CIVIL ENGINEERING

2024-2025 Catalog Year

THIRDYEAR

FOURTHYEAR

Fall

Winter

Spring

Fall

Winter

Spring

CE 381

Structural Theory I
F, W (4)
ENGR 213

CE 382

Structural Theory II
W, S (4)
CE 381, MTH 264+265

CE 481

Reinforced Concrete I
F, S (4)
CE 382

CE 383

Design of Steel Structures
F, W (4)
CE 382

CE 418

Professional Practice
W (3)
See Notes^

CE 419

Civil Infrastructure Design
S (3)
CE 418^

CE 361

Surveying Theory
F, S (4)
CCE 201, ENGR 213, PH 213, ST 314

CE 372

Geotech Engineering I
W, S (4)
ENGR 213 (pre-req), CE 311 (co-req)

CE 373

Geotechnical Engineering II
F, S (4)
CE 372

CE 491

Transportation Engineering
F, S (3)
CE 392, ST 314

CE 420

Engineering Planning
F, W (4)
Senior Standing

ENVE 321

Environmental Engr Fundamentals
S (4)
MTH 256

CE 311

Fluid Mechanics
F, W (4)
MTH 256, ENGR 211, PH 213

CE 313

Hydraulic Engineering
W, S (4)
CE 311

CE 412

Hydrology
F, S (4)
CE 313

Technical Elective**

F, W, S (3)

Technical Elective**

F, W, S (3)

Technical Elective**

F, W, S (3)

Bacc Core:

Difference, Power, & Discrimination*
F, W, S, U (3)

CE 392

Intro to Highway Engineering
W, S (4)
ENGR 212

CCE 321

CCE Materials
F, W, S (4)
ENGR 213

Bacc Core:

Contemporary Global Issues*
F, W, S, U (3)

Bacc Core:

Biological Sciences*
F, W, S, U (4)

Bacc Core:

Science, Technology, & Society*
F, W, S, U (3)

Bacc Core:

Literature & the Arts*
F, W, S, U (3)

NOTES:

***Bacc Core:** For list of Bacc Core course options, visit <https://catalog.oregonstate.edu/earning-degrees/bcc/>

^**CE 418 & 419:** Capstone course series that must be taken in consecutive terms. **CE 418 prerequisites:** CE 313, 372, 382, & one additional class from CE 373, 383, 412, 481, and 491.

****Technical Electives:** Students take 9 credits of upper-division or graduate-level engineering coursework not already required for major. Discuss with your advisor or select from this list: <https://beav.es/pXN>

Geomatics Engineering Minor: CE students can earn the Geomatics Engineering Minor with 1 additional class. Specific Technical Electives required. Discuss with your advisor if interested.