OREGON STATE UNIVERSITY CIVIL ENGINEERING

2025-2026 Catalog Year

Sample Four-Year Plan

FIRST YEAR

Fall

ENGR 110+115
Transitions &
The OSU Engr Student
*Core Ed: Transitions
F, W, S (2+1)

MTH 251Z
Differential Calculus
*Core Ed: Quantitative Lit.
F, W, S (4)
MTH 112Z

CH 201+204
Chem for Engr 1 & Lab
*Core Ed: Scientific Inquiry
F, W (3+1)
MTH 111Z

WR 121Z
Composition I
*Core Ed: WR Foundations
F, W, S (4)

Winter

ENGR 102
Design Engineering
*Core Ed: Beyond OSU I
F, W, S (3)
ENGR 110 or 310

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

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

**COMM 111Z,
114, or 218Z**
*Core Ed: Communication
F, W, S (3-4)

Core Ed
**Difference, Power, &
Oppression-Foundations
F, W, S (3)

Spring

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

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

**ECON 201Z
or 202Z**
Micro or Macro Econ
*Core Ed: Social Science
F, W, S (4)

Basic Science
***Choice
F, W, S (4)

SECOND YEAR

Fall

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

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

PH 211
Physics with Calculus 1
*Core Ed: Scientific Inquiry
F, W, S (4)
MTH 251Z & 252Z

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

CCE 207
Building Your Career
*Core Ed: Beyond OSU II
F (1)
ENGR 103

Winter

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

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

PH 212
Physics with Calculus 2
F, W, S (4)
PH 211 & MTH 252Z

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

Spring

ENGR 212
Dynamics
W, S (3)
ENGR 211 & PH 211

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

PH 213
Physics with Calculus 3
F, W, S (4)
PH 212 & MTH 252Z

WR 227Z
Technical Writing
*Core Ed: WR Elevation
F, W, S (4)
WR 121Z

KEY:
F, W, S – Term course is planned to be offered. See classes.oregonstate.edu for current schedule, including summer offerings. **(X) –** Number of credits. ***Course in italics* –** Prerequisite (or co-requisite).
*Major requirement that also satisfies Core Ed category listed. Note: Transfer students take ENGR 310 to satisfy Transitions requirement.
**Core Ed choice. Student chooses course from category listed. For course options, visit coreeducation.oregonstate.edu
***Basic Science: Choose one from BI 101, BI 103, CH 110, PH 104, PH 107, PH 207, and Z 102.

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THIRD YEAR

Fall

CE 381
Structural Theory I
F, W (4)
ENGR 213

CEM 263
Plane Surveying
F, W, S (3)
ENGR 211

CE 311
Fluid Mechanics
F, W (4)
MTH 256, ENGR 211, & PH 213

CCE 321
CCE Materials
F, W, S (4)
ENGR 213

Winter

CE 382
Structural Theory II
W, S (4)
MTH 264+265 & CE 381

CE 372
Geotech Engineering I
W, S (4)
ENGR 211 (pre-req) & CE 311 (co-req)

CE 313
Hydraulic Engineering
W, S (4)
CE 311

CE 392
Intro to Highway Engineering
W, S (4)
ENGR 212

Spring

CE 383 or 481
Structural Design: Steel or Concrete
F, W, S (4)
CE 382

CE 373
Geotechnical Engineering II
F, S (4)
CE 372

CE 412
Hydrology
F, S (4)
CE 313

CE 362
Reality Capture for Engr Applications
S (3)
CEM 263

FOURTH YEAR

Fall

CE 491
Transportation Engineering
F, S (3)
CE 392 & ST 314

ENGR 330
Inclusive & Equitable Engineering
*Core Ed: DPO-Advanced
F, W, S (3)

Technical Elective^
F, W, S (3-4)

Core Ed
**Arts & Humanities: General
F, W, S (3)

Minor Course or General Elective^
F, W, S (4)

Winter

CE 418
Professional Practice
*Core Ed: WR Intensive
W (3)
*See Notes^*

CE 420
Engineering Planning
F, W (4)
Senior Standing

Technical Elective^
F, W, S (3-4)

Core Ed
**Seeking Solutions
F, W, S (3)

Spring

CE 419
Civil Infrastructure Design
S (3)
*CE 418^*

ENVE 321
Environmental Engr Fundamentals
S (4)
MTH 256

Technical Elective^
F, W, S (3-4)

Core Ed
**Arts & Humanities: Global
F, W, S (3)

Minor Course or General Elective^
F, W, S (1)

^NOTES:

CE 418 prerequisites: CE 313, 372, 382, & one additional class from CE 373, 383, 412, 481, and 491.

CE 418 & 419: Capstone course series that must be taken in consecutive terms.

Technical Electives: Students take 11 credits (3-4 classes) 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

Minor Course or General Elective: Minors are optional. General electives only required if short of 180 total credits.

Geomatics Engineering and Water Resources Engineering Minors: CE students can complete most requirements for these minors by taking specific technical electives. Discuss with your advisor if interested.