

OREGON STATE UNIVERSITY ARCHITECTURAL ENGINEERING

FIRSTYEAR

2025-2026 Catalog Year

SECONDYEAR

Fall

Winter

Spring

Sample Four-Year Plan

Fall

Winter

Spring

ENGR 110+115

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

ENGR 102

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

ENGR 103

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

ENGR 211

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

ENGR 213

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

WR 227Z

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

MTH 251Z

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

MTH 252Z

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

MTH 254

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

MTH 264+265

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

MTH 256

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

ST 314

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

CH 201+204

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

CH 202

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

ECON 201Z, ECON 202Z, or AEC 250

*Core Ed: Social Science
F, W, S (4)

PH 211

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

PH 212

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

PH 213

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

WR 121Z

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

COMM 111Z, 114, or 218Z

*Core Ed: Communication
F, W, S (3-4)

Basic Science

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

ART 209

Global Architectures
*Core Ed: Arts - Global
TBD (3)

CCE 201

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

CCE 203

Virtual Design &
Construction
W, S (3)
CCE 201

Core Ed

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

CCE 207

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

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 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.

Revised: 5/22/2025

OREGON STATE UNIVERSITY ARCHITECTURAL ENGINEERING

2025-2026 Catalog Year

THIRD YEAR

FOURTH YEAR

Fall

Winter

Spring

Fall

Winter

Spring

CE 311

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

ARE 341

Fundamentals of HVAC
W (4)
CE 311

CCE 321

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

CE 383

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

ARE 418

Professional Practice
*Core Ed: WR Intensive
W (4)
See Notes^

ARE 419

ARE Design
S (3)
ARE 418^

CEM 471

Electrical Facilities
F (4)
CCE 207

ARE 361

Fundamentals for
Lighting Design
W (4)
CEM 471

CEM 472

Mechanical Facilities
F, S (3)
CCE 207

ARE 451

Advanced Building
Construction Methods
F (4)
CEM 442

CCE 422

Green Building
Materials
F, W (3)
CCE 321

Core Ed

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

CEM 442

Building Construction
Management
F, S (4)
CCE 207

CE 381

Structural Theory I
F, W (4)
ENGR 213

CE 382

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

CE 420

Engineering Planning
F, W (4)
Senior Standing

ENGR 330

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

Core Ed

**Arts & Humanities:
General
(No ART Classes^)
F, W, S (3)

ARE 310

Architecture Studio
F (4)
Junior Standing

ENGR 201

Electrical Fundamentals I
F, W, S (3)
MTH 251Z & 252Z

Technical Elective^

F, W, S (3-4)

Technical Elective^

F, W, S (3-4)

Technical Elective^

F, W, S (3-4)

Technical Elective^

F, W, S (3-4)

Minor Class or General Elective^

F, W, S (4)

^NOTES:

ARE 418 prerequisites: ARE 341, ARE 361, CE 382, & one additional course from ARE 441, ARE 461, CE 383, and CE 481.

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

Arts & Humanities: General cannot be an ART class if ART 209 is applying to Arts & Humanities: Global requirement. General and Global must be in different subjects.

Technical Electives: Students take 14 credits (4-5 classes) of technical electives. Discuss with your advisor or select from this list: <https://beav.es/GjC>

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