OREGON STATE UNIVERSITY ARCHITECTURAL ENGINEERING

FIRSTYEAR SECONDYEAR 2024-2025 Catalog Year Fall Winter Winter **Spring** Fall

ENGR 100

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

MTH 251

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

CH 201

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

WR 121Z

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

HHS 231

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

ENGR 102

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

MTH 252

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

CH 202

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

CH 205

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

COMM 1112 or 114

BaccCore: Comm F, W, S, U (4/3)

ENGR 103

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

MTH 254

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

AEC 250, ECON 201. **GEOG 240, or GEOG 250**

BaccCore: SPI F, W, S, U (3/4)

Bacc Core:

Western Culture* F, W, S, U (3)

PAC

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

ENGR 211

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

MTH 264+265

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

PH 211

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

CCE 207

CCE Seminar F (1) **ENGR 103**

Bacc Core:

Cultural Diversity* F, W, S, U (3)

ENGR 213

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

MTH 256

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

PH 212

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

CCE 201

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

ART 321,

322, or 323

Architecture History

BaccCore: Lit & Arts

W, S (3)

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

PH 213

Spring

WR 227Z

Technical Writing

BaccCore: WR2

F, W, S, U (4)

WR 121Z

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

CCE 203

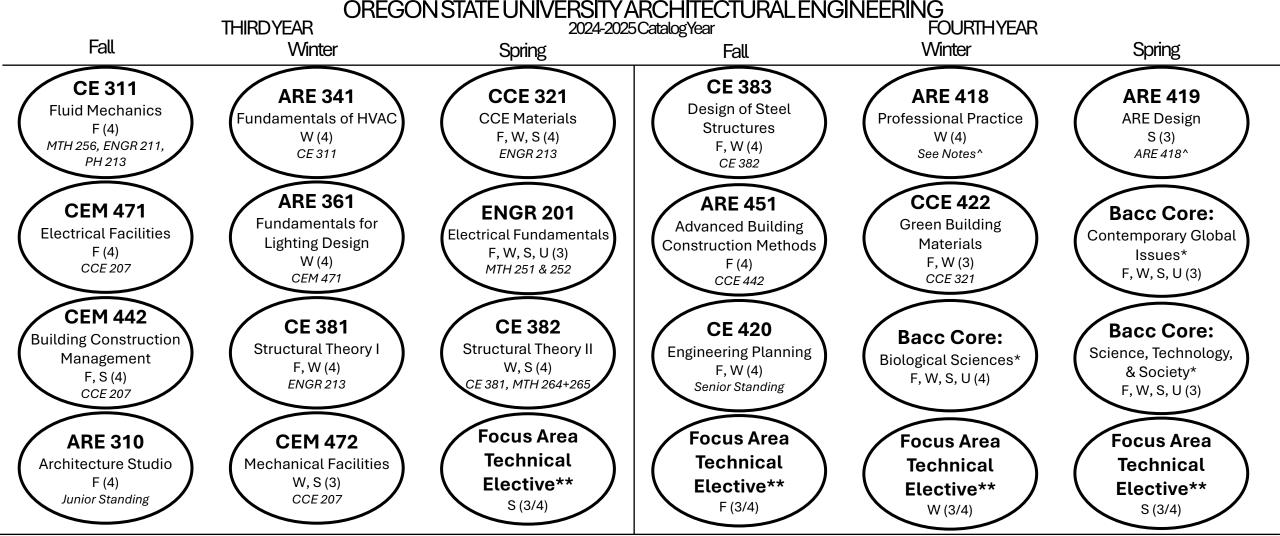
Virtual Design & Construction W, S (3) CCE 201

Bacc Core:

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

KEY:

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



NOTES:

Biological Sciences: BI 101 or SUS 102. Western Culture: AEC 253, ART 210, or PHL 205. Difference, Power, & Discrimination: ES 353, GEOG 203, GEOG 333, or SUS 331. Cultural Diversity: choice.

Contemporary Global Issues: BA 432, BI 301, FES 365, GEOG 300, GEOG 331, H 388, PHL 440, or SUS 350. Science, Technology & Society: ENGR 350, PH 313, PPOL 441, or WSE 385.

^{*}Bacc Core: Recommended courses below. For full list of Bacc Core course options, visit https://catalog.oregonstate.edu/earning-degrees/bcc/

[^]ARE 418 & 419: Capstone course series that must be taken in consecutive terms. ARE 418 prerequisites: ARE 341, ARE 361, CE 382, & one focus area technical elective.

^{**}Focus Area Technical Electives: Course recommendations below for each focus area. Students must take at least 14 credit hours of technical electives.

Lighting Focus: ARE 461-Lighting Design For Built Environment 1, ARE 462-Lighting Design For Built Environment 2, ARE 499-Daylighting, ARE 499-Parametric Design.

HVAC Focus: ARE 499-Indoor Air Quality, ARE 499-Building Energy Analysis Modeling, ARE 499-Parametric Design, 4th course-choice.

Structures Focus: CE 372-Geotechnical Engineering I, CE 481-Reinforced Concrete, CE 484-Wood Design, 4th course-choice.