

# OREGON STATE UNIVERSITY CONSTRUCTION ENGINEERING MGT

FIRSTYEAR

2024-2025 Catalog Year

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*

**CEM 263**  
Plane Surveying  
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*

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

**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*

**ENGR 390**  
Engineering Economy  
F, W, S, U (3)

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

**ECON 201**  
Microeconomics  
BaccCore: SPI  
F, W, S, U (3/4)

**ECON 202**  
Macroeconomics  
F, W, S, U (4)

**CCE 201**  
Graphics & Design  
F, W (3)  
*MTH 112Z*

**CCE 203**  
Virtual Design & Construction  
W, S (3)  
*CCE 201*

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

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

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

**Bacc Core:**  
Literature & the Arts\*  
F, W, S, U (3)

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

**BA 315**  
Accounting for Decision-Making  
F, W, S, U (4)

**BA 330**  
Legal Environment of Business  
F, W, S, U (4)

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

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

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

**CCE 207**  
CCE Seminar  
F (1)  
*ENGR 103*

**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 CONSTRUCTION ENGINEERING MGT

THIRDYEAR

2024-2025 Catalog Year

FOURTHYEAR

Fall

Winter

Spring

Fall

Winter

Spring

**CEM 471**

Electrical Facilities  
F, W (4)  
CCE 207

**CEM 472**

Mechanical Facilities  
W, S (3)  
CCE 207

**CEM 381**

Structures I  
F, S (4)  
ENGR 213

**CEM 383**

Structures II  
F, W (4)  
CEM 381 (pre-req) &  
CCE 321 (co-req)

**CE 427**

Temporary Structures  
W, S (4)  
CCE 321, CEM 372,  
CEM 383

**CEM 326**

Construction Safety  
W, S (3)  
CCE 207

**CEM 442**

Building Construction  
Management  
F, S (4)  
CCE 207

**CEM 372**

Geotechnics for  
Construction  
W, S (4)  
ENGR 213

**CEM 341**

Construction  
Estimating I  
F, S (4)  
CEM 442

**CEM 342**

Construction  
Estimating II  
F, W (4)  
CEM 341

**CEM 443**

Project Management  
for Construction  
W, S (4)  
CEM 341 & 343

**Upper-Division  
College of Engineering  
Elective<sup>^</sup>**  
F, W, S (3)

**CCE 321**

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

**CE 365**

Highway Location  
& Design  
W, S (3)  
CEM 263

**CE 424**

Contracts &  
Specifications  
W, S (4)  
CEM 442

**CEM 343**

Construction Planning  
& Scheduling  
F, W (4)  
CEM 342 (co-req)

**MGMT 453**

Human Resources  
Management  
F, W, S (4)  
BA 251

**Upper-Division  
College of Business  
Elective<sup>\*\*</sup>**  
F, W, S, U (4)

**Bacc Core:**

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

**BA 251**

Managing  
Organizations  
F, W, S, U (4)

**CEM 441**

Heavy Civil  
Construction Mgmt  
W, S (4)  
CEM 372

**CEM 431  
or 432**

Obtaining Contracts  
F, S (4/3)  
CEM 341

**Bacc Core:**

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

**Bacc Core:**

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

**Bacc Core:**

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

**NOTES:**

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

<sup>^</sup>**Upper-Division Engineering Elective:** Select an upper-division or graduate-level course in CE, CEM, CCE, or ARE not already required for your major. Discuss with your advisor or select from this list: <https://beav.es/qsw>

**\*\*Upper-Division Business Elective:** Select an additional 4-credit BA course. Course must be 300-level or above and may not be a course that is already required for your degree. Check Notes section in Schedule of Classes to confirm CEM students are eligible to register for the course you select.

**Business Minor:** CEM students can earn a Business Minor by taking 2 additional courses. If interested, talk with your advisor for additional course recommendations.