

# OREGON STATE UNIVERSITY CONSTRUCTION ENGINEERING MGT

2023-2024 Catalog Year

FIRST YEAR

SECOND YEAR

Fall

Winter

Spring

Fall

Winter

Spring

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

**ENGR 102**  
Dsgn Thinking & Problem Solving  
F, W, S, U (3)

**ENGR 103**  
Computations & Algorithms  
F, W, S, U (3)  
*ENGR 102*

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

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

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

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

**ECON 201**  
Micro Econ  
Bacc Core: SPI  
F, W, S, U (4)

**ECON 202**  
Macro Econ  
F, W, S, U (4)

**PH 211**  
Physics w/ Calc  
Bacc Core: PhySci  
F, W, S, U (4)  
*MTH 251 (recommended)*

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

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

**MTH 251**  
Differential Calc  
Bacc Core: Math  
F, W, S, U (4)  
*MTH 112Z*

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

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

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

**BA 315**  
Fundamentals of Accounting  
F, W, S, U (4)

**BA 330**  
Business Law  
F, W, S, U (4)

**WR 121Z**  
English Comp.  
Bacc Core: WR 1  
F, W, S, U (4)

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

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

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

**CCE 203**  
Virtual Design & Construction  
W, S (3)  
*CCE 201 or ENGR 248*

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

**HHS 231**  
Bacc Core: Lifetime Fitness & 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 (U = Summer)

**(X)** – Number of credits

**Course In Italics** – Pre-req (or co-req)

THIRD YEAR			FOURTH YEAR		
Fall	Winter	Spring	Fall	Winter	Spring
<p><b>CEM 471</b> Electrical Facilities F, W (4) <i>CCE 207</i></p>	<p><b>CEM 472</b> Mechanical Facilities W, S (3) <i>CCE 207</i></p>	<p><b>CEM 381</b> Structures 1 F, S, U (4) <i>ENGR 213</i></p>	<p><b>CEM 383</b> Structures 2 F, W, U (4) <i>CEM 381, CCE 321 (co-req)</i></p>	<p><b>CE 427</b> Temp Construction Structures W, S, (4) <i>CCE 321, CEM 372, CEM 383</i></p>	<p><b>CEM 326</b> Safety &amp; Health Standards S (3) <i>CCE 207</i></p>
<p><b>CEM 442</b> Building Construction Mgt F, S (4) <i>CCE 207</i></p>	<p><b>CEM 372</b> Fundamentals of Geotechnical Engr W, S (4) <i>ENGR 213</i></p>	<p><b>CEM 341</b> Estimating 1 S (4) <i>CEM 442</i></p>	<p><b>CEM 342</b> Estimating 2 F (4) <i>CEM 341</i></p>	<p><b>CEM 443</b> Project Management W, S (4) <i>CEM 341 &amp; 343</i></p>	<p><b>Upper Division ENGR Elective<sup>^</sup></b> F, W, S (3)</p>
<p><b>CCE 321</b> CCE Materials F, W, S, U (4) <i>ENGR 213</i></p>	<p><b>CE 365</b> Highway Design &amp; Location W, S (3) <i>CEM 263</i></p>	<p><b>CE 424</b> Contracts &amp; Specifications W, S (4) <i>CEM 442</i></p>	<p><b>CEM 343</b> Planning &amp; Scheduling F, W (4) <i>CEM 342 (co-req)</i></p>	<p><b>MGMT 453</b> HR Management F, W, S (4) <i>BA 351</i></p>	<p><b>Upper Division BA Elective<sup>**</sup></b> F, W, S, U (4)</p>
<p><b>Bacc Core:</b> Difference, Power &amp; Discrimination* F, W, S, U (3)</p>	<p><b>BA 351</b> Managing Organizations F, W, S, U (4)</p>	<p><b>CEM 441</b> Heavy Civil W, S (4) <i>CEM 372 or CE 372 or FE 315</i></p>	<p><b>CEM 431/432</b> Obtaining Construction Contracts F (431), S (432) (4/3)</p>	<p><b>Bacc Core:</b> Biological Sci* F, W, S, U (4)</p>	<p><b>Bacc Core:</b> Science, Tech &amp; Society* F, W, S, U (3)</p>
					<p><b>Bacc Core:</b> Contemporary Global Issues* F, W, S, U (3)</p>

**NOTES:**

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

<sup>^</sup>**Upper Division ENGR Elective:** Select an additional CE, CEM, CCE or ARE course. Course must be level 300 or above and may not be a course that is required for your degree. Please discuss your selection with your advisor.

<sup>\*\*</sup>**Upper Division BA Elective:** Select an additional 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 are able to earn a Business Minor by taking 2 additional courses. If you are interested in adding a Business Minor, talk with your advisor for additional course recommendations.