

OREGON STATE UNIVERSITY CIVIL ENGINEERING
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
Strength of
Materials
F, W, S, U (3)
ENGR 211

ENGR 212
Dynamics
F, W, S, U (3)
ENGR 211, PH 211

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

PH 211
Physics w/ Calc 1
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

PH 213
Physics w/ Calc 3
F, W, S, U (4)
PH 212 & MTH 254
(recommended)

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

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

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

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

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

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

CH 202
Chemistry for
Engineers 2
W, S (3)
CH 201 or 231

ECON 201
Microeconomics
Bacc Core: SPI
F, W, S, U (4)

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

CE 202
Geospatial Info
& GIS
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)

CH 205
Chemistry Lab
W, S (1)
CH 202 (co-req)

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

CCE 207
CCE Seminar
F (1)
ENGR 103

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

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>CE 381 Structural Theory 1 F, W (4) <i>ENGR 213</i></p>	<p>CE 382 Structural Theory 2 W, S (4) <i>CE 381, MTH 264/265</i></p>	<p>CE 481 Reinforced Concrete F, S (4) <i>CE 382</i></p>	<p>CE 383 Design of Steel Structures F, W (4) <i>CE 382</i></p>	<p>CE 418 Capstone 1 W (3) <i>CE 382, CE 372, CE 313</i></p>	<p>CE 419 Capstone 2 S (3) <i>CE 418</i></p>
<p>CE 361 Surveying Theory F, S (4) <i>CCE 201 or CE 202, PH 213, ENGR 213, ST 314</i></p>	<p>CE 372 Geotech Engineering 1 W, S (4) <i>ENGR 213, CE 311 (co-req)</i></p>	<p>CE 373 Geotech Engineering 2 F, S (4) <i>CE 372</i></p>	<p>CE 491 Transportation Engineering F, S (3) <i>CE 392 & ST 314</i></p>	<p>CE 420 Engineering Planning F, W (4) <i>Senior Standing</i></p>	<p>ENVE 321 Environmental Engineering S (4) <i>MTH 256</i></p>
<p>CE 311 Fluid Mechanics F, W (4) <i>MTH 256, ENGR 211</i></p>	<p>CE 313 Hydraulic Engineering W, S (4) <i>CE 311</i></p>	<p>CE 412 Hydrology S, F (4) <i>CE 313</i></p>	<p>Technical Elective** F, W, S (3)</p>	<p>Technical Elective** F, W, S (3)</p>	<p>Technical Elective** F, W, S (3)</p>
<p>Bacc Core: Difference, Power & Discrimination* F, W, S, U (3)</p>	<p>CE 392 Intro to Highway Engr W, S (4) <i>ENGR 212</i></p>	<p>CCE 321 CCE Materials F, W, S, U (4) <i>ENGR 213</i></p>	<p>Bacc Core: Contemporary Global Issues* F, W, S, U (3)</p>	<p>Bacc Core: Biological Sci* F, W, S, U (4)</p>	<p>Bacc Core: Science, Tech & Society* F, W, S, U (3)</p>
			<p>Bacc Core: Lit & Arts* F, W, S, U (3)</p>		

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

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

****Technical Electives** – Students choose from most upper-division engineering courses. Speak with your academic advisor for Technical Elective course options.