

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, ENGR 213, PH 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, PH 213</i></p>	<p>CE 313 Hydraulic Engineering W, S (4) <i>CE 311</i></p>	<p>CE 412 Hydrology F, S (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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***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.