

OREGON STATE UNIVERSITY CIVIL ENGINEERING

2023-2024 Catalog Year

FRISTYEAR

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 211

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

ENGR 213

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

ENGR 212

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

WR 121

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

**COMM 111
or 114**

Bacc Core: Comm
F, W, S, U (3)

**Bacc Core:
Western
Culture**

F, W, S, U (3)

PH 211

Physics w/ Calc
Bacc Core: PhySci
F,W,S,U (4)
MTH 252 (co-req)

PH 212

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

PH 213

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

MTH 251

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

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 and 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, 121 or 231

ECON 201

Economics
Bacc Core: SPI
F, W, S, U (4)

CCE 201

Graphics & Design
F, W (3)
MTH 111

CE 202

Geospatial Info & Design
W, S (3)
CCE 201 or ENGR 248

WR 227Z

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

HHS 321

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

(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 W (3) <i>CE 418</i></p> |
| <p>CE 361 Surveying Theory F, S (4) <i>CE 202, ENGR 213, PH 213, ST 314</i></p> | <p>CE 372 Geotech Engineering W, S (4) <i>ENGR 212, CH 201, PH 212, CE 311</i></p> | <p>CE 373 Geotech Engineering 2 W, 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 213</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, S, U (4) <i>ENGR 213 & ST 314</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> | | |

KEY:

F, W, S, U – Term Course is offered

(X)- Number of Credits

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 any Upper Division Engineering Course. Speak with your academic advisor for Technical Elective Course options.