

**ECOLOGICAL ENGINEERING***Academic Year: 2026-2027***FIRST YEAR****SECOND YEAR**

Fall (15 cr)

Winter (15 cr)

Spring (14 cr)

Fall (14 cr)

Winter (16 cr)

Spring (17 cr)

ENGR 110 or 310 (co)

ENGR 102 &amp; MTH 112Z (co)

**ENGR 110&115**  
+Transitions & The  
Oregon State Engineering  
Student  
F,W,S,U (3)

**ENGR 102**  
Design Engineering  
and Problem Solving  
F,W,S,U (3)

**ENGR 103**  
Engineering  
Computation and  
Algorithmic Thinking  
F,W,S,U (3)

**BEE 270**  
EcoE  
Ecology  
F (3)

**BEE 221**  
EcoE  
Fundamentals  
W (4)

**BEE 222**  
EcoE  
Computation  
S (3)

MTH 111Z

CH 201/204

CH 202/205

MTH 252Z

WR 121Z

ENGR 211

**CH 201/204**  
Chemistry for Engineering  
Applications/+Lab  
F (3/1)

**CH 202/205**  
Chemistry for Engineering  
Applications/Lab  
W (3/1)

**CH 203**  
Chemistry for Engineering  
Applications  
S (3)

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

**WR 227Z**  
+\*Technical  
Report Writing  
F,W,S,U (4)

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

MTH 112Z

MTH 251Z

MTH 252Z

MTH 254

MTH 252Z

**MTH 251Z**  
+\*Differential  
Calculus  
F,W,S, U (4)

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

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

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

**MTH 264 +  
MTH 265**  
Intros to Matrix  
Algebra and Series  
F,W,S,U (2+2)

**ENSC 210**  
+\*Environmental  
Earth Sciences  
F,W,S,U (4)

MTH 251Z &amp; MTH 252Z (co)

MTH 252Z &amp; MTH 254 (co)

MTH 254

**WR 121Z**  
+\*English  
Composition  
F,W,S,U (4)

**COMM 111Z#**  
+\*Speech  
F,W,S,U (4)

**PH 211**  
+\*Physics  
w/ Calculus  
F,W,S,U (4)

**PH 212**  
Physics  
w/ Calculus  
F,W,S,U (4)

**PH 213**  
Physics  
w/ Calculus  
F,W,S,U (4)

**AEC 250##**  
+\*Economics/Policy  
F,W,S,U (4)

**Core Ed:  
+DPO**  
F,W,S,U (3)

**Notes:**

1. F,W,S,U: Represents term course is offered (Fall, Winter, Spring, Summer)
2. ( ): Represents the credits of the course
3. Arrows: Represents prerequisites and co-requisites for that course
4. +: Fulfills a CORE ED requirement, \*: Fulfills a BACC CORE requirement, ^: Fulfills WIC for CORE ED/BACC CORE
5. #: Choice of COMM 111Z, COMM 114, OR COMM 218Z    ##: Choice of AEC 250, ECON 201Z, OR ECON 202Z

**ECOLOGICAL ENGINEERING***Academic Year: 2026-2027***THIRD YEAR****FOURTH YEAR**

Fall (16 cr)

Winter (14 cr)

Spring (16 cr)

Fall (15 cr)

Winter (15 cr)

Spring (13 cr)

BEE 222 &amp; MTH 256

BEE 320

BEE 312

BEE 322

BEE 481

**BEE 320**  
Systems Anal.  
Model.  
F (4)

**BEE 322**  
EcoE Thermo &  
Transfer Proces  
W (4)

**BEE 361**  
EcoE Lab Course  
S (3)

**BEE 481**  
^EcoE Design I  
F (4)

**BEE 482**  
EcoE Design II  
W (4)

**ENGR 330**  
+Inclusive & Equitable  
Engineering  
F,W,S (3)

PH 212, MTH 254, &  
ENGR 211

BEE 311

BEE 312 &amp; 320

BEE 221 or ENVE 322

**BEE 311**  
Fluid Mechanics  
F (4)

**BEE 312**  
Ecohydraulics  
W (4)

**BEE 313**  
Ecohydrology  
S (4)

**BEE 415**  
Professional Dev.  
Seminar  
F (1)

**BEE 468**  
Bioremediation  
W (4)

**Engineering  
UD Elective**  
F,W,S (3)

MTH 112Z

BEE 320

**FE 208**  
Forest Surveying  
F,S (4)

**FE 257**  
GIS & Forest Eng.  
App.  
F,W (3)

**BEE 362**  
EcoE Microbial  
Processes  
S (3)

**Engineering  
UD Elective**  
F,W,S (3)

**Engineering  
UD Elective**  
F,W,S (3)

**Core Ed:**  
+Seeking Solutions  
F,W,S,U (4)

MTH 252Z

**SOIL 205/206**  
Principles of Soil  
Science & +\*Lab  
F,W,S (3/1)

**ST 314**  
Intro to Statistics  
for Engineers  
F,W,S (3)

**BEE 391**  
Project Mgmt. &  
Economics  
S (3)

**Ecological  
Engineering  
UD Elective**  
F,W,S (3)

**Bio & Eco  
Sciences UD  
Elective**  
F,W,S (4)

**Core Ed:**  
+Arts &  
Humanities Global  
F,W,S,U (3)

**Core Ed:**  
+Arts &  
Humanities  
F,W,S, U (3)

**BEE 420**  
Ecological Systems  
Analysis  
F (4)