

FIRSTYEAR			OREGONSTATEUNIVERSITYBIOENGINEERING			SECONDYEAR		
Fall	Winter	Spring	2026-2027CatalogYear	Fall		Winter		Spring
+ENGR 110 & 115 Transitions, ENGR Orientation 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) <i>ENGR 102</i>		CBEE 211 Material Balances F, W, (3) <i>MTH 252</i>		CBEE 212 Energy Balances W, S (3) <i>MTH 56 Co-req</i>		CBEE 213 Process Analysis S, U (4) <i>CBEE 212 or 280</i>
+WR 121Z English Comp. Core Ed: WR 1 F, W, S, U (4)	+COMM 111Z or 114 or 218Z Core Ed:Comm, Media & Society F, W, S, U (4/3)	CH 203 Chemistry for Engineers 2 W, S (3)		BI 231Z Anatomy and Physiology F(4) Soph. standing		CH 332 Organic Chemistry WS(4) CH 203		ENGR 201 Electrical Fundamentals I F, W, S (3) MTH 251, 252
+MTH 251 Differential Calc Core ED: Math F, W, S, U (4) <i>MTH 112Z</i>	MTH 252 Integral Calculus F, W, S, U (4) <i>MTH 251</i>	MTH 254 Vector Calculus F, W, S, U (4) <i>MTH 252</i>		CH 331 Organic Chemistry FW(4) CH 203		MTH 256 Differential Equations F,W,S,U (3) <i>MTH 254</i>		MTH 264 & 265 Matrix and Series FWSU(2+2) MTH 252
+CH 201 Chemistry for Engineers 1 F, W (3) <i>MTH 111</i>	CH 202 Chemistry for Engineers 2 W, S (3) <i>CH 201 or 221Z</i>	+PH 211 Physics w/ Calc Core ED: F,W,S,U (4) <i>MTH 252 (co-req)</i>		PH 212 Physics w/Calc F,W,S,U (4) <i>PH 211</i>		PH 213 Physics w/ Calc 3 F,W,S,U (4) <i>PH 212 & MTH 254</i>		BIOE 240 Signals and Sensors S(3)
+CH 204 Chemistry for Engineers Lab 1 F, W (1)	CH 205 Chemistry for Engineers Lab 2 W, S (1)							+Core Education Difference, Power, and Oppression Foundations 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)

+Core Education

OREGON STATE UNIVERSITY BIOENGINEERING

THIRD YEAR

2025-2026 Catalog Year

FOURTH YEAR

Fall

Winter

Spring

Fall

Winter

Spring

BB 450
Biochemistry
F, W (4)
CH 332

BB 451
Biochemistry
W S (4)
BB 450

BIOE 340
Biomed Engr.
S (3)
BI 233, BIOE 332,
CBEE 213

BIOE 495
BIOE Product
Design 1
F(4)
*BB 451, BIOE
240, 332, 240*

BIOE 496
BIOE Product
Design 2
W(4)
BIOE 495

BIOE 497
BIOE Process
Design
S (4)
BIOE 457, 462

CHE 331
Transport 1
F, W(3)
CBEE 212

CHE 332
Transport II
W, S (3)
CHE 311, 331

CHE 333
Transport III
W, S (3)
CHE 331, 332

+Core Education
Social Sciences
F, W, S, U (3)

BIOE 462
Bioseparations
W (3)
BB 451, BIOE 332

BIOE 465
Image
Processing
S (S)
BIOE 350

CBEE 320
Engineering
Ethics
F 3
CBEE 212

BIOE 420
+Social Justice and
Ethics (DPO-Advanced)
W,(3)
CBEE 320

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

BIOE 453
BIOE Lab
F (3)

BIOE 350
Numerical
Analysis
W (3)
*MTH 256, 264,
265*

+Core Education
Seeking Solutions
F, W, S, U (3)

BIOE 311
Thermo
F 3
CBEE 212

+Core Education
Art & Humanities
Global F, W, S, U (3)

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

BIOE 457
Bioreactors
F,(3)

+Core Education
Art & Humanities
General
F, W, S,,U (3)

**Engineering
Elective**
F, W, S (4)

BI 232Z
Human Anatomy 2
W (4)
BI 231Z

BIOE 351
Biomaterials &
Biointerfaces
S (3)
BB 451, BIOE 332

**Engineering
Elective**
F, W, S (4)

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***Core Education-** For list of Core Education course options visit <https://coreeducation.oregonstate.edu/students/core-education-students-starting-summer-2025-and-after>

****Engineering Electives-** Students choose any Approved Upper Division Engineering Course. Speak with your academic advisor for Technical Elective Course options.