

OREGON STATE UNIVERSITY INDUSTRIAL 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 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)

Difference, Power, & Discrimination*
Bacc Core
F, W, S, U (3)

IE 112
Spreadsheet Skills for IE/MfgE
F (1)

IE 212
Computational Methods
W (4)
ENGR 103

IE 255
Quantitative Analysis of Industrial Systems
S (3)
MTH 252

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

MTH 341
Linear Algebra
F, W, S (3)
MTH 254

MATS 321
Intro to Material Science
F, W, S (4)
CH 202 or CH 232

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

PH 211
Physics w/ Calc
Bacc Core: PhySci
F,W,S,U (4)

PH 212
Physics w/ Calc 2
Bacc Core: PhySci
F,W,S (4)
PH 211

PH 213
Physics w/ Calc 3
F,W,S,U (4)

WR 227Z*
Technical Writing
Bacc Core: WR2
F, W, S (4)
WR 121

HHS 321*
Bacc Core: Lifetime Fitness & Health
F, W, S, U (2)

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

ENGR 248
Engineering Graphics & 3D Modeling
F, W, S (3)

Western Culture*
Bacc Core
F, W, S, U (3)

ME 250
Intro to Manufacturing Processes
F, W, S (1)
ENGR 248, PH 211

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>MFGE 336 Production Engineering F, W (4) <i>ENGR: 213, 248; ME 250, MATS 321</i></p>	<p>IE 356 Experimental Design for Industrial Processes W (4) <i>IE 255</i></p>	<p>ENGR 201 Electrical Fundamentals I F, W, S (3) <i>MTH 251, 252</i></p>	<p>MIME 497 MIME Capstone Design F, W (4) <i>IE 355, 356, 366, 367, 368, WR 227Z</i></p>	<p>MIME 498 MIME Capstone Design W, S (4) <i>MIME 497, capstone must be taken consecutively</i></p>	<p>Focus Area: Restricted Elective F, W, S (4)</p>
<p>IE 355 Statistical Quality Control F (4) <i>IE 255</i></p>	<p>IE 366 Work Systems Engineering W (4) <i>IE 255, PH 212, 213</i></p>	<p>ENGR 390 Engineering Economy F, W, S (3)</p>	<p>IE 412 Information Systems Engineering F (4) <i>IE 212</i></p>	<p>IE 415 Simulation and Decision Support Systems W (4) <i>IE 212, 255, 355</i></p>	<p>Lit & Arts* Bacc Core F, W, S, U (3)</p>
<p>IE 367 Production Planning and Control F (4) <i>IE 255</i></p>	<p>IE 368 Facility Design & Operations Management W (4) <i>IE 255, ENGR 248</i></p>	<p>Focus Area: Restricted Elective F, W, S (4)</p>	<p>IE 425 Industrial Systems Optimization F (4) <i>IE 255,, MTH 341</i></p>	<p>IE 426 Stochastic Models of Industrial Systems W (4) <i>IE 255, 425</i></p>	<p>Contemporary Global Issues* Bacc Core F, W, S, U (3)</p>
<p>Focus Area: Restricted Elective F, W, S (4)</p>	<p>Social Processes & Institutions* Bacc Core F, W, S, U (3)</p>	<p>Biology + Lab* Bacc Core F, W, S, U (4)</p>	<p>Focus Area: Restricted Elective F, W, S (3-4)</p>	<p>Focus Area: Restricted Elective F, W, S (3-4)</p>	<p>Science, Tech, & Society* Bacc Core F, W, S, U (3)</p>
		<p>Cultural Diversity* Bacc Core 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 any Upper Division Engineering Course. Speak with your academic advisor for Technical Elective Course options.