

INDUSTRIAL ENGINEERING – 4 Year Plan

FIRST YEAR

2026-2027 Catalog Year

SECOND YEAR

Fall – 15 Cr

Winter– 15-16 Cr

Spring– 14 Cr

Fall – 14 Cr

Winter– 14 Cr

Spring– 17 Cr

**ENGR 110 &
ENGR 115**
Transitions & The
OSU Engr Student
F, W, S (3)

ENGR 102
Dsgn Engineering
& Problem Solving
F, W, S (3)

ENGR 103
Computations &
Algorithms
Engr-102
F, W, S (3)

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

ENGR-213
Strengths of Materials
ENGR-211
F, W, S, U (3)

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

WR-121z
English Comp.
Bacc Core: WR 1
Alpha Restricted
F, W, S, U (4)

**COMM-
111Z or 114**
Speech
Bacc Core: Comm
F, W, S, U (4)

Core ED
Diff, Power, & Oppression:
Foundations
F, W, S, U (3)

MTH-256
Differential EQ.
MTH-254
F, W, S (4)

IE-212
Computational Methods
ENGR-103
W (4)

IE-255
Quantitative Analysis
Of Industrial Systems
MTH-252, IE 212
S (4)

MTH-251
Differential Calc
MTH-112z
F, W, S, U (4)

MTH-252
Integral Calc
MTH-251
F, W, S, U (4)

MTH-254
Vector Calc
MTH-252
F, W, S (4)

PH-212
Physics w/Calc 2
PH-211
F, W, S, U (4)

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

ENGR 390
Engineering Economy
F, W, S (4)

CH-201
Chemistry for
Engineering Majors
MTH-111z
F, W (3)

CH-202
Chemistry for
Engineering Majors
CH-201
W, S (3)

PH-211
Physics w/Calc 1
MTH-251
F, W, S, U (4)

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

PH-213
Physics w/Calc 3
PH-212, MTH-254
F, W, S, U (4)

WR-227z
Technical Writing
Sophomore Standing
F, W, S, U (4)

CH 204
Lab for Chemistry
for Engineering Majors
F, W (1)

MTH-251 Start



F, W, S, U – Term course is offered (U = summer)

(X)- Number of credits

Course In Italics- Pre-req (or co-req)

Alpha Restricted: WR-121z limits students to Terms by last name: Fall: A-G; Winter: H-N; Spring: O-Z

Rev. 4/2025

INDUSTRIAL ENGINEERING – 4 Year Plan

THIRD YEAR

2026-2027 Catalog Year

FOURTH YEAR

Fall – 16 Cr

Winter– 15 Cr

Spring– 14 Cr

Fall – 15 Cr

Winter– 16 Cr

Spring– 16 Cr

IE-355

Quant. Methods for Systems
Analysis & Improvement
IE-255
F (4)

IE-356

Quant. Methods for Sys.
Modeling & Exper.
IE-255
W (4)

ENGR-201

Electrical
Fundamentals I
MTH-252
F, W, S (3)

MIME-497

MIME Capstone Design
*IE 355, 356, 366,
367, 368, WR-227z*
F, W (4)

MIME-498

MIME Capstone Design
*MIME-497(Must be taken
consecutively)*
W, S (4)

Option Elective
F,W,S (4)

IE-367

Production Planning
& Control
IE-255
F (4)

IE-366

Work Systems
Engineering
IE-255, PH-212
W (4)

MFGE-336

Production Engineering
*ENGR-213, 248;
MATS-321*
F, W, SP (4)

IE-412

Information Systems
Engineering
IE-212
F (4)

IE-415

Simulation & Decision
Support Systems
IE-212, 255, 355
W (4)

Option Elective
F,W,S (4)

MATS 321

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

IE-368

Facility Design &
Operations Mgmt.
IE-255, ENGR-248
W (4)

Option Elective
F,W,S (4)

IE 425

Industrial Systems
Optimization
IE 255, MTH 341
F (3)

IE-426

Stochastic Models of
Industrial Systems
IE-255, 425
W (4)

CORE ED

Seeking Solutions
F, W, S, U (4)

CORE ED

Arts & Humanities: general
F, W, S, U (3)

Core ED

Social Science
F, W, S, U (3)

CORE ED

Arts & Humanities:
Global
F, W, S, U (3)

MFGE 436

Lean Manuf.
ENGR 390
F (4)

IE-471

Mang. Systems
Engineering
*ENGR 390, IE 355, 366,
367, 367*
W (4)

Core ED

ENGR 330: Inclusive &
Equit. Engineering
F, W, S, U (3)

F, W, S, U – Term course is offered (U = summer)

name: Fall: A-G; Winter: H-N; Spring: O-Z

Course In *Italics*- Pre-req (or co-req)

(X)- Number of credits

Alpha Restricted: WR-121z limits students to Terms by last

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