

INDUSTRIAL ENGINEERING – 4 Year Plan

FIRST YEAR

2024-2025 Catalog Year

SECOND YEAR

Fall – 14 Cr

Winter– 15-16 Cr

Spring– 15 Cr

Fall – 14 Cr

Winter– 17 Cr

Spring– 14 Cr

ENGR 100

The OSU Engr Student
F, W, S (3)

ENGR 102

Dsgn Thinking & 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)

Bacc Core

WC, DPD, CD,
SPI, L&A
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
S (3)

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 Engineers 1
MTH-111z
F, W (3)

CH-202

Chemistry for Engineers 2
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
Bacc Core: WR2
Sophomore Standing
F, W, S, U (4)

HHS-231

Lifetime Fitness & Health
Bacc Core
F, W, S, U (2)

PAC

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

Bacc Core

WC, DPD, CD,
SPI, L&A
F, W, S, U (3)

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)

WC, DPD, CD, L&A, SPI: Choice of Bacc Core Perspective

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

INDUSTRIAL ENGINEERING – 4 Year Plan

THIRD YEAR

2024-2025 Catalog Year

FOURTH YEAR

Fall – 16 Cr

Winter– 15 Cr

Spring– 17 Cr

Fall – 15-16 Cr

Winter– 15-16 Cr

Spring– 13 Cr

MFGE-336

Production Engineering
*ENGR-213, 248;
ME-250; MATS-321*
F, W (4)

IE-356

**Experimental Design
for Industrial Processes**
IE-255
W (4)

ENGR-201

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

MIME-497

MIME Capstone Design
*MATS-321, ME-217, 330, 382, 383,
ENGR-390, ST-314, WR-27z*
F, W (4)

MIME-498

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

**Focus Area:
Restricted Elective**
F, W, S (4)

IE-355

**Statistical Quality
Control**
IE-255
F (4)

IE-366

**Work Systems
Engineering**
IE-255, PH-212, 213
W (4)

**Focus Area:
Restricted Elective**
F, W, S (4)

IE-412

**Information Systems
Engineering**
IE-212
F (4)

IE-415

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

Bacc Core
WC, DPD, CD, L&A
F, W, S, U (3)

IE-367

**Production Planning
& Control**
IE-255
F (4)

IE-368

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

Bio Science

Bacc Core
F, W, S, U (4)

IE-425

**Industrial Systems
Optimization**
IE-255, MTH-341
F (4)

IE-426

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

Synthesis
CGI or STS
Bacc Core
F, W, S, U (3)

**Focus Area:
Restricted Elective**
F, W, S (4)

Bacc Core

WC, DPD, CD, L&A
F, W, S, U (3)

Bacc Core

WC, DPD, CD, L&A
F, W, S, U (3)

**Focus Area:
Restricted Elective**
F, W, S (3-4)

**Focus Area:
Restricted Elective**
F, W, S (3-4)

Synthesis
CGI or STS
Bacc Core
F, W, S, U (3)

MATS 321

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

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(X)- Number of credits

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