

# INDUSTRIAL ENGINEERING, B.S. (BEHREND)

**Begin Campus:** Any Penn State Campus

**End Campus:** Erie

## Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2024-25 academic year. To access previous years' suggested academic plans, please visit the archive (<https://bulletins.psu.edu/undergraduate/archive/>) to view the appropriate Undergraduate Bulletin edition.

### Industrial Engineering, B.S. at Erie Campus

The course series listed below provides **only one** of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an **Academic Requirements** or **What If** report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

#### First Year

Fall	Credits Spring	Credits
CHEM 110 <sup>*#†</sup>	3 CMPSC 200 <sup>†</sup>	3
CHEM 111 <sup>†</sup>	1 ECON 102 or 104 <sup>†</sup>	3
EDSGN 100S <sup>*#</sup>	3 MATH 141 <sup>*†#†</sup>	4
ENGL 15 <sup>††</sup>	3 PHYS 211 <sup>*#†</sup>	4
MATH 140 <sup>*†#†</sup>	4 General Education Course	3
General Education Course	3	
	<b>17</b>	<b>17</b>

#### Second Year

Fall	Credits Spring	Credits
CAS 100A or 100B <sup>††</sup>	3 EMCH 213 <sup>*</sup>	3
EMCH 211 <sup>*</sup>	3 MATH 250	3
MATH 220 <sup>†</sup>	2 Engineering Elective <sup>3</sup>	3
MATH 231	2 Engineering Elective <sup>3</sup>	3
PHYS 212 <sup>†</sup>	4 Science Elective <sup>3</sup>	3
General Education Course	3	
	<b>17</b>	<b>15</b>

#### Third Year

Fall	Credits Spring	Credits
IE 302 <sup>*</sup>	3 ENGL 202C <sup>††</sup>	3
IE 305 <sup>*1</sup>	3 IE 311 or 307 <sup>2</sup>	3
IE 322	3 IE 323 <sup>*2</sup>	3
IE 327 <sup>*2</sup>	3 IE 330 <sup>*2</sup>	3
IE 405 <sup>*</sup>	3 MATSE 259	3
General Education Course (GHW)	1.5 General Education Course (GHW)	1.5
	<b>16.5</b>	<b>16.5</b>

#### Fourth Year

Fall	Credits Spring	Credits
IE 418 <sup>1</sup>	3 IE 453 <sup>2</sup>	3

IE 425 <sup>1</sup>	3 IE 460 <sup>2</sup>	3
IE 470 <sup>1</sup>	3 IE 480W <sup>2</sup>	3
Specialization Course <sup>*1,5</sup>	1 IE Technical Elective <sup>4</sup>	3
IE Technical Elective <sup>4</sup>	3 General Education Course	3
General Education Course	3	
	<b>16</b>	<b>15</b>

#### Total Credits 130

- \* Course requires a grade of C or better for the major
- ‡ Course requires a grade of C or better for General Education
- # Course is an Entrance to Major requirement
- † Course satisfies General Education and degree requirement

- 1 This course is only offered in the **FALL SEMESTER**
- 2 This course is only offered in the **SPRING SEMESTER**
- 3 Ask department for list
- 4 Must be an IE course
- 5 Students should take IE 497 (**FALL SEMESTER ONLY**)

#### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy Cultural Diversity Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

#### Program Note:

- Only students who have gone through the entrance to major (ETM) process and have been accepted into this major may register for junior and senior-level IE courses.