

# POLYMER ENGINEERING AND SCIENCE, B.S.

**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.

### Polymer Engineering and Science, 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 CHEM 112 <sup>*†</sup>	3
CHEM 111 <sup>*†</sup>	1 CHEM 113 <sup>*†</sup>	1
ECON 102 or 104 <sup>*†</sup>	3 CMPSC 200 <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 (GA/GH/GS)	3
	<b>17</b>	<b>18</b>

#### Second Year

Fall	Credits Spring	Credits
CAS 100 <sup>*††</sup>	3 EMCH 211 <sup>*</sup>	3
CHEM 210 <sup>*</sup>	3 IE 424 <sup>*</sup>	3
MATH 251 <sup>*</sup>	4 MATH 220 <sup>*††</sup>	2
PHYS 212 <sup>*†</sup>	4 MATH 231 <sup>*</sup>	2
General Education Course (GA/GH/GS)	3 MATSE 202 <sup>*</sup>	3
	PES 213 <sup>*</sup>	2
	<b>17</b>	<b>15</b>

#### Third Year

Fall	Credits Spring	Credits
EMCH 213 <sup>*</sup>	3 EMCH 315 <sup>*</sup>	2
MATSE 445 <sup>*</sup>	3 ENGL 202C <sup>*††</sup>	3
PES 320 <sup>*</sup>	3 MATSE 447 <sup>*</sup>	3
PES 340 <sup>*</sup>	2 PES 305 <sup>*</sup>	3
PES 341 <sup>*</sup>	1 PES 323 <sup>*</sup>	2
PES 365 <sup>*</sup>	3 PES 351 <sup>*</sup>	1
General Education Course (GHW)	1.5 PES 446W <sup>*</sup>	1

	General Education Course (GA/GH/GS)	3
	<b>16.5</b>	<b>18</b>
<b>Fourth Year</b>		
<b>Fall</b>	<b>Credits Spring</b>	<b>Credits</b>
PES 440 <sup>*</sup>	3 PES 448W <sup>*</sup>	1
PES 441 <sup>*</sup>	1 Technical Elective <sup>*</sup>	3
PES 447W <sup>*</sup>	1 Technical Elective <sup>*</sup>	3
PES 460 <sup>*</sup>	3 General Education Course (GA/GH/GS)	3
Technical Elective <sup>*</sup>	3 General Education Course (GA/GH/GS)	3
Technical Elective <sup>*</sup>	3 General Education Course (GHW)	1.5
	<b>14</b>	<b>14.5</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

#### 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.

#### School-Approved Electives for Polymer Engineering and Science

- Students majoring in Polymer Engineering and Science must complete a total of 12 credits (4 courses) of 300- or 400-level PES technical electives from the approved list with a grade of C or better. (Except where noted, courses taken to satisfy General Education requirements may not be used to satisfy PES technical elective requirements.)
- 300- and 400-level courses can be selected from the following subjects – BIOL, BMB, BME, CHEM, CMPEN, CMPET, CMPSC, EE, EET, MATH, ME, MET, MCRB, PES, PHYS, PLET, STAT, and SWENG.