

# MECHANICAL ENGINEERING TECHNOLOGY, B.S. (CAPITAL)

**Begin Campus:** Any Penn State Campus

**End Campus:** Harrisburg

## 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.

### Mechanical Engineering Technology, B.S. at Harrisburg 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
ENGL 15, 15S, 30T, or ESL 15 <sup>†</sup>	3 STAT 200 or MATH 141 <sup>†</sup>	4
MATH 140 <sup>†</sup>	4 PHYS 150 or 211 <sup>†</sup>	3-4
CHEM 110 <sup>†</sup>	3 CAS 100A or 100S <sup>‡</sup>	3
CHEM 111 <sup>†1</sup>	1 General Education Course <sup>†</sup>	3
EDSGN 100 or 100S	3 General Education Course <sup>†</sup>	3
General Education Course <sup>†</sup>	3	
	<b>17</b>	<b>16-17</b>

#### Second Year

Fall	Credits Spring	Credits
PHYS 151 or 212 <sup>†</sup>	3-4 ET 321 <sup>*</sup>	3
ET 300 <sup>*</sup>	3 ET 322 <sup>*</sup>	3
IET 308	3 EET 320	3
IET 321	3 ENGL 202C <sup>‡</sup>	3
General Education Course <sup>†</sup>	3 Elective as approved by adviser	3
	<b>15-16</b>	<b>15</b>

#### Third Year

Fall	Credits Spring	Credits
IET 311	3 MET 321	2
MET 332 <sup>*</sup>	3 MET 358	3
MET 336 <sup>*</sup>	3 MET 365	3
MET 338	1 MET 438	3
MET 370	1 ENGR 320Y <sup>††</sup>	3
General Education Course <sup>†</sup>	3 Elective as approved by adviser	3

General Education Course (GHW) <sup>†</sup>	1.5	
	<b>15.5</b>	<b>17</b>
<b>Fourth Year</b>		
<b>Fall</b>	<b>Credits Spring</b>	<b>Credits</b>
MET 341 <sup>*</sup>	3 MET 431 <sup>*</sup>	3
MET 454	3 MET 486	3
MET 458	1 300-400 level Technology or Engineering Elective	3
MET 481	3 300-400 level Technology or Engineering Elective	3
300-400 level Technology or Engineering Elective	3 General Education Course (GHW) <sup>†</sup>	1.5
300-400 level Technology or Engineering Elective	3 Elective as approved by adviser	3
	<b>16</b>	<b>16.5</b>

#### Total Credits 128-130

\* 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

<sup>1</sup> CHEM 111: Students may substitute either CHEM 112 or BIOL 141 for the combination of CHEM 111 and PHYS 214.

#### 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 Notes

Technology or Engineering Electives include:

- MET 308 - Computer Aided Solid Modeling and Analysis (3)
- MET 417 - Finite Element Analysis (3)
- MET 432 - Fluid Power (3)
- MET 435 - Building Energy Systems (3)
- MET 462 - Internal Combustion Engine Design (3)
- ENVE 430 - Sustainable Engineering (3)
- or others offered by the program.