

# MECHANICAL ENGINEERING TECHNOLOGY, A.ENG.T. (ENGINEERING)

**Begin Campus:** DuBois, York

**End Campus:** DuBois, York

## Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2023-24 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 (*Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

### Mechanical Engineering Technology, A.ENG.T. Ending at DuBois 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
EDSGN 100	3 MET 111 <sup>*2</sup>	3
IET 101 <sup>*</sup>	3 General Education Course	3
MET 107	3 EET 105	3
MATH 26 <sup>1</sup>	3 EDSGN 110 or EGT 114	2
ENGL 15, 30H, or ESL 15 (GWS) <sup>††</sup>	3 MATH 22 (GQ) <sup>*†1</sup>	3
	CAS 100 (GWS) <sup>††</sup>	3
	<b>15</b>	<b>17</b>

#### Second Year

Fall	Credits Spring	Credits
MET 213 <sup>2</sup>	3 MET 210W	3
MET 214	1 PHYS 151 or 251 (GN) <sup>†2</sup>	3-4
MET 206 <sup>*2</sup>	3 STS 200	3
IET 216	2 General Education Course	3
IET 215	2 Technical Electives <sup>3</sup>	3-4
PHYS 150 or 250 (GN) <sup>2</sup>	3-4 Technical Electives <sup>3</sup>	2-3
Technical Electives <sup>3</sup>	2-3	
	<b>16-18</b>	<b>17-20</b>

**Total Credits 65-70**

\* 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> MATH 26 and MATH 22 may be taken concurrently

<sup>2</sup> Students successfully completing MATH 140 and subsequently MATH 141 may choose to take the EMCH 211, EMCH 212 and EMCH 213 sequence of courses for Statics (MET 111), Dynamics (MET 206), and Strengths/Properties of Materials (MET 213); and similarly, PHYS 211 and PHYS 212 in place of (PHYS 150/PHYS 250) and (PHYS 151/PHYS 251), respectively.

<sup>3</sup> A minimum of 6 credits of approved Technical Elective Credits are required in order to reach the minimum major graduation requirement of 65 credits.

#### 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) and Knowledge Domains (GHW, GN, GA, GH, GS) requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

#### Program Notes

Approved Technical Elective Courses include the following courses: COURSE LIST: AET 296, 297; ACCTG 211; BA 241, 242, 243; CHEM 101, 110, 111, 112; CMPET 117, 120; CMPSC 101, 121, 122, 200, 201; EDSGN 210, 296, 297; EET 100, 114, 118, 275; EGT 201; EMET 100, 350, 430; IET 105, 109, 296, 297, 333; IST 110, 210, 220, 250, 402; MATH 083, 140, 141, 210; ME 300; MET 281, 296, 297, 306, 320, 330, 341; MGMT 301; MIS 204; PLET 205; SCM 200; STAT 200; STS 233; SUR 111.

Additional courses may be acceptable via academic petition, must discuss with your academic adviser and/or program coordinator.

#### Academic Advising Notes

A student's career/graduate school plans should be considered in developing an individual academic plan. Be sure to consult an adviser in this department when scheduling courses.

## Mechanical Engineering Technology, A.ENG.T. Ending at York 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.

COURSE LIST: CHEM 101, 110, 111; CMPET 117, 120; CMPSC 101, 121, 201; EET 114, 275; EGT 201; EMET 326, 350, 430; IET 333; IST 402; MATH 140; MGMT 301, MKTG 301, STAT 200

### First Year

Fall	Credits Spring	Credits
EDSGN 100	3 MET 111 <sup>*</sup>	3
IET 101 <sup>*</sup>	3 General Education Course	3
EET 105	3 MET 107	3
MATH 26	3 PHYS 150 or 250 (GN)	3-4
ENGL 15, 30H, or ESL 15 (GWS) <sup>††</sup>	3 MATH 22 (GQ) <sup>††</sup>	3
	<b>15</b>	<b>15-16</b>

### Second Year

Fall	Credits Spring	Credits
MET 213	3 MET 210W	3
MET 214	1 IET 215	2
MET 206 <sup>*</sup>	3 IET 216	2
EDSGN 110 or EGT 114	2 CAS 100 (GWS) <sup>††</sup>	3
PHYS 151 or 251 (GN) <sup>†</sup>	3-4 STS 233Z	3
Technical Electives <sup>1</sup>	3 Technical Electives <sup>1</sup>	3-4
	General Education Course	3
	<b>15-16</b>	<b>19-20</b>

### Total Credits 64-67

\* 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> 6 credits of Technical Electives are required if student enrolled in either PHYS 250 or PHYS 251, otherwise 7 credits of Technical Electives are required to reach the minimum major requirement of 65 credits.

### 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) and Knowledge Domains (GHW, GN, GA, GH, GS) requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

### Program Notes

Technical electives include the following courses: