



Pitt State

Name: _____

ID: _____

Mechanical Engineering Technology (Manufacturing),
Bachelor of Science in Engineering Technology

Catalog 2024-25

This academic degree map is a term-by-term course schedule designed for you to graduate in four years. The sample schedule below serves as a general guideline to building a full-time schedule for each term. Earning a degree requires that you complete (1) the required General Education courses, (2) the course requirements of your major and (3) any requirements PSU has designated for a Bachelor degree. Courses and special notes are specified to keep you on track to graduate in four years. Where open elective is listed, it means that you may take a course of your choosing, perhaps a course in an area outside of your major, but be sure to discuss this with your advisor.

This map is not a substitute for academic advisement – contact your advisor if you have any questions throughout the term and as you begin planning for the next. The University Catalog is also available as a resource with a complete list of requirements for all degrees offered at PSU.

Recommended 4-years to graduation plan

Code	Semester 1 - FRESHMAN YEAR	Credit	NOTES
MECET 121	Engineering Graphics I	3	
MATH 122	Plane Trigonometry	3	
ENGL 101	English Composition (SGE) ⁰¹⁰	3	C or better
UGS 150	Gorilla Gateway (SGE) ⁰⁷⁰	2	
Bucket 060	Arts & Humanities (SGE) ⁰⁶⁰	3	
Bucket 070	Institutionally Designated (SGE) ⁰⁷⁰	1	
TOTAL CREDIT HOURS		15	

	Semester 3 - SOPHOMORE YEAR	Credit	
PHYS 104	Engineering Physics I (SGE) ⁰⁴⁰ (or PHYS 100)	4	C or better
PHYS 130	Elementary Physics Lab (SGE) ⁰⁴⁰	1	
MFGET 263	Manufacturing Methods I	2	
MFGET 268	Manufacturing Methods I Lab	1	
ETECH 310	Engineering Materials and Metallurgy	3	
MATH 154	Engineering Calculus II (or MATH 155)	4	
TOTAL CREDIT HOURS		15	

	Semester 5 - JUNIOR YEAR	Credit	
MECET 423	Mechanics of Materials	3	
MECET 424	Mechanics of Materials Lab	1	
MECET 428	Thermodynamics	3	
MECET 524	Fluid Mechanics	3	
MECET 525	Fluid Mechanics Lab	1	
MFGET 363	Principles of Tool Design	3	
TOTAL CREDIT HOURS		14	

	Semester 7 - SENIOR YEAR	Credit	
MFGET 666	Manufacturing & Design Project I	2	
Bucket 050	Social & Behavioral Sciences (SGE) ⁰⁵⁰	3	
Bucket 070	Institutionally Designated (SGE) ⁰⁷⁰	3	
MFGET 567	Principles of Metalcasting	3	
MFGET 568	Metalcasting Processing Lab	2	
300+	Approved Technical Elective	3	
TOTAL CREDIT HOURS		16	

Code	Semester 2 - FRESHMAN YEAR	Credit	NOTES
MATH 150	Calculus I (SGE) ⁰³⁰	5	
MECET 226	Engineering Graphics II	3	
CHEM 105	Introductory Chemistry	3	
CHEM 106	Introductory Chemistry Lab	1	
Bucket 050	Social & Behavioral Sciences (SGE) ⁰⁵⁰	3	
TOTAL CREDIT HOURS		15	

	Semester 4 - SOPHOMORE YEAR	Credit	
MECET 220	Statics	3	
PHYS 105	Engineering Physics II (or PHYS 101)	4	
PHYS 131	Elementary Physics Lab II	1	
COMM 207	Speech Communication (SGE) ⁰²⁰	3	
ENGL 299	Intro to Research Writing (SGE) ⁰¹⁰	3	C or better
TOTAL CREDIT HOURS		14	

	Semester 6 - JUNIOR YEAR	Credit	
MECET 523	Mechanical Design I	3	
EET 247	Computer Prog. for Electronic Systems	3	
EET 343	Automation I: Industrial Controls	3	
MFGET 367	Manufacturing Methods II	4	
MECET 420	Kinematics	3	
TOTAL CREDIT HOURS		16	

	Semester 8 - SENIOR YEAR	Credit	
MFGET 669	Manufacturing & Design Project II	3	
MECET 323	Industrial Graphics	2	
ETECH 502	Engineering Economy	3	
Bucket 060	Arts & Humanities (SGE) ⁰⁶⁰	3	
MFGET 661	Computer Aided Manufacturing	3	
300+	Approved Technical Elective	1	
TOTAL CREDIT HOURS		15	

Writing to Learn: Typically one from general education and one in major coursework.

Systemwide General Education (SGE) Key

- | | |
|---------------------------------|----------------------------------|
| 010 English | 050 Social & Behavioral Sciences |
| 020 Communications | 060 Arts & Humanities |
| 030 Math & Statistics | 070 Institutionally Designated |
| 040 Natural & Physical Sciences | |