Pitt State

Name:

ID:

Mechanical Engineering Technology (Automotive),
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**	

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 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 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 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	
300+	Approved Technical Elective	4	
	TOTAL CREDIT HOURS	**15**	

	Semester 6 - JUNIOR YEAR	Credit	
MECET 523	Mechanical Design I	3	
EET 247	Computer Prog. for Electronic Systems	3	
AT 115	Mobile Electrical/Electronics	3	Sub for EET 343
AT 116	Mobile Electrical/Electronics Lab	3	
MECET 420	Kinematics	3	
	TOTAL CREDIT HOURS	**15**	

	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	
AT 314	Manual Transmissions & Drivelines	3	
AT 418	Failure Analysis	3	
	TOTAL CREDIT HOURS	**14**	

	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	
AT 301	Fundamentals of Collision Technology	3	
AT 340	Diesel Engine Fundamentals	3	
	TOTAL CREDIT HOURS	**17**	

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

Systemwide General Education (SGE) Key

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