

Curriculum Guide: Mechanical Engineering Technology

Course	Title	Credits
Freshman		
Fall		
ET 101	Fundamentals of Engineering Technology	2
ET 105	Fundamentals of Drawing	3
CHEM 211 & CHEM 213	Principles of Chemistry I and Principles of Chemistry I Laboratory (Natural Science)	5
MATH 202	Calculus and Analytic Geometry I (Quantitative Literacy)	4
First Year Seminar		3
	Credits	17
Spring		
ET 130	Basic Electrical Circuits I	3
ET 142	Introduction to Programming	3
CHEM 212 & CHEM 214	Principles of Chemistry II and Principles of Chemistry II Laboratory	5
MATH 203	Calculus and Analytic Geometry II	4
General Education requirement		3
	Credits	18
Sophomore		
Fall		
ENGR 213	Mechanics I	3
ET 116	Basic Manufacturing Processes	3
MATH 260	Introductory Statistics	4
PHYSICS 103 or PHYSICS 201	Fundamentals of Physics I or Principles of Physics I	5
	Credits	15
Spring		
ENGR 214	Mechanics II	3
ENGR 220	Mechanics of Materials	3
ET 207	Parametric Modeling	3
PHYSICS 104 or PHYSICS 202	Fundamentals of Physics II or Principles of Physics II	5
General Education requirement		3
	Credits	17
Junior		
Fall		
ET 118	Fluids I	3
ET 221	Machine Components	3
ET 308	Finite Element Analysis	3
General Education requirement		3
General Education requirement		3
	Credits	15
Spring		
ET 318	Fluids II	3
ET 322	Design Problems	3

ET 324	Motors and Drives	3
General Education requirement		3
		Credits
		12
Senior		
Fall		
CHEM 320	Thermodynamics and Kinetics	3
ET 360	Project Management	3
ET 390	Mechatronics	4
Elective		1
General Education requirement		3
		Credits
		14
Spring		
ET 400 or ET 410	Co-op/Internship in Engineering Technology (Capstone) or Capstone Project	3
ENGR 301	Engineering Materials	2
Elective		3
General Education requirement		3
		Credits
		11
		Total Credits
		119

120 credits required to earn degree

General Education categories *requirement is met with a specific required course:

First Year Seminar-3 credits

Biological Science-3 credits

Fine Arts-3 credits

Global Culture-3 credits

Humanities-6 credits

Natural Sciences-3 credits*

Social Sciences-6 credits

Sustainability Perspective-3 credits

Quantitative Literacy-3 credits*

Capstone-3 credits*