

Major: Mechatronics Engineering Technology (Effective Fall 2025)

FIRST YEAR	Fall Semester		Spring Semester	
• Become familiar with the faculty, staff and lab facilities	Gen Ed Self & Society (Cultural Pluralism 1 of 1)	3	EGT 116: Introduction to Manufacturing	3
• Talk to faculty about their research and explore UR-STEM	MAT 119 Pre-Calculus Mathematics	3	Gen Ed Self & Society (Individual. & Society 1 of 2)	3
• Join IEEE, ASME and SME student Chapters as a member	ENG 101 College Writing (Gen Ed Written Communication I)	3	CHE 130 & 130L Chemistry, an Engineering Approach with lab (Gen Ed Natural Science 1 of 2)	4
	EGT 212 Computer Aided Drafting & Design	3	CMST 101: Public Speaking (Gen Ed Oral Communication)	3
	EGT 161 D.C. Circuit Analysis	3	SOC 100: Introduction to Sociology (Gen Ed Individual and Society 2 of 2)	3
	Total	15	Total	16
SECOND YEAR	Fall Semester		Spring Semester	
• See academic advisor to make sure academic plan is complete, and graduation will be on time	PHY 211 General Physics with laboratory I (Gen Ed Sciences 1 of 2)	4	EGT 301 Cooperative Education	3
• Start looking for COOP opportunities by joining plant tours	STA 205 Intro to Statistical Methods	3	MAT 129 Calculus I (Gen Ed Math & Stat)	4
	EGT 243 AC Circuit Analysis	3	EGT 310 Project Management & problem Solving	3
	EGT 291W Writing in Eng. technology (Gen Ed Written Communication II)	3	EGT 245 Digital Electronics	3
	EGT 267 Programming for Engineering Applications	3	PHY 213 General Physics with Laboratory II Gen Ed Sciences 2 of 2)	3
	Total	16	Total	16
THIRD YEAR	Fall Semester		Spring Semester	
• Engage in research or developmental work with faculty	EGT 261 Engineering Materials	3	EGT 386: Electromechanical Instrumentation and Control	3
• Apply and secure COOP positions through postings on EGT bulletin board or Engineering Technology Canvas course	EGT 300 Statics and Strength of Materials	3	EGT Elective 1 of 4	4
• Take leadership positions in the ASME, IEEE and SME Club	EGT 361 Fluid Power	3	EGT 340 Applied Dynamics	3
	EGT 280: Introduction to Microsystems	3	EGT 367 Microprocessors	3
	EGT 320: Robotic Systems	3		
	Total	15	Total	13
FOURTH YEAR	Fall Semester		Spring Semester	
• Develop or refine your resume	EGT 480 Machine Design OR Elective 2 of 4	3	EGT 417 Capstone II	3
• Apply for permanent positions	EGT 416 Capstone I	1	Elective 4 of 4	3
• Consider an online MS in Engineering Management at Temple	Elective 3 of 4	3	EGT 408 mechatronic Systems	3
	EGT 402: Control Systems	3	Gen Ed Culture & Creativity (2 of 2)	3
	Gen Ed Culture & Creativity (1 of 2)	3	Gen Ed Global Viewpoints (1 of 1)	3
	Total	13	Total	15

