

Major: Mechatronics Engineering Technology (Effective Fall 2025)

FIRST YEAR <ul style="list-style-type: none"> Become familiar with the faculty, staff and lab facilities Talk to faculty about their research and explore UR-STEM Join IEEE, ASME and SME student Chapters as a member 	Fall Semester		Spring Semester	
	Gen Ed Self & Society (Cultural Pluralism 1 of 1)	3	EGT 116: Introduction to Manufacturing	3
	MAT 119 Pre-Calculus Mathematics	3	Gen Ed Self & Society (Individual. & Society 1 of 2)	3
	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 <ul style="list-style-type: none"> See academic advisor to make sure academic plan is complete, and graduation will be on time Start looking for COOP opportunities by joining plant tours 	Fall Semester		Spring Semester	
	PHY 211 General Physics with laboratory I (Gen Ed Sciences 1 of 2)	4	EGT 301 Cooperative Education	3
	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 <ul style="list-style-type: none"> Engage in research or developmental work with faculty Apply and secure COOP positions through postings on EGT bulletin board or Engineering Technology Canvas course Take leadership positions in the ASME, IEEE and SME Club 	Fall Semester		Spring Semester	
	EGT 261 Engineering Materials	3	EGT 386: Electromechanical Instrumentation and Control	3
	EGT 300 Statics and Strength of Materials	3	EGT Elective 1 of 4	4
	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 <ul style="list-style-type: none"> Develop or refine your resume Apply for permanent positions Consider an online MS in Engineering Management at Temple 	Fall Semester		Spring Semester	
	EGT 480 Machine Design OR Elective 2 of 4	3	EGT 417 Capstone II	3
	EGT 416 Capstone I	1	Elective 4 of 4	3
	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

