Major: Mechatronics Engineering Technology (Effective Fall 2021)						
FIRST	Fall Semester		Spring Semester			
YEAR	EGT 116 Intro to Industrial materials & processes	3	EGT 265: Manufacturing Processes and Tolerancing OR Track Course 1	3		
	MAT 119 Pre-Calculus Mathematics	3	EGT 161 D.C. Circuit Analysis	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		
	Gen Ed Self & Society (Cultural Pluralism 1 of 1)	3	SOC 100: Introduction to Sociology (Gen Ed Individual and Society 1 of 2)	3		
	Total	15	Total	16		
SECOND	Fall Semester		Spring Semester			
YEAR	PHY 211 General Physics with laboratory I (Gen Ed Sciences 2 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)		EGT 245 Digital Electronics	3		
	EGT 267 Programming for Engineering Applications	3	EGT 365: CNC & Manufacturing Proc. Planning or Track Course 2	3		
	Total	16	Total	16		
THIRD	Fall Semester	10	Spring Semester	10		
YEAR	EGT 261 Engineering Materials	3	EGT 386: Electromechanical Instrumentation and Control	3		
	EGT 300 Statics and Strength of Materials	3	PHY 213 General Physics with Laboratory II	4		
	EGT 361 Fluid Power	3	EGT 340 Applied Dynamics	3		
	Gen Ed Self & Society (Indiv. & Soc. 2 of 2)	3	EGT 367 Microprocessors	3		
	EGT 320 Robotic Systems or EGT Track 3	3		1		
	Total	15	Total	13		
FOURTH	Fall Semester		Spring Semester	-		
YEAR	EGT 480 Machine Design OR Track Course 4	3	EGT 417 Capstone II	3		
	EGT 416 Capstone I	1	EGT 402: Control Systems	3		
	EGT 408 mechatronics Topics	3	EGT Track 6 OR EGT Elective	3		
	EGT 465 Automated Manufacturing Systems OR Track Course 5	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		
	Elective	1	T. 1. 1			
	Total	14	Total	15		
Grand Total 120						

Mechatronics Tracks						
Default Track						
Automated Systems Track (18 credits)						
EGT 265	Manufacturing Processes and Metrology	3				
EGT 320	Robotic Systems and Material Handling	3				
EGT 365	CNC & Manufacturing Process Planning					
EGT 465	Automated Manufacturing Systems	3				
EGT 480	Machine Design	3				
Select 3 additional credit hours of EGT and/or EMET(*) courses						
	Total Track Credits	18				
Alternative Energy Track (18 credits)						
EMET 150(*)	Introduction to Controls and Robotics	2				
EMET 210(*)	Energy Efficiency and Audits	3				
EMET 225(*)	Solar and Renewable Energy	3				
EGT 450	Thermodynamics and Heat Transfer	3				
PSET 140(*) Power Systems Foundations						
Select 6 additional credit hours of EGT and/or EMET(*) courses						
Total Track Credits						
Laser Technology Track (18 credits)						
EMET 150(*)	Introduction to Controls and Robotics	2				
EMET 245(*)	Laser Foundations and Safety	3				
EMET 246 (*)	Laser 2	3				
EMET 275(*)	Electric Drive Mechanisms	4				
Select 6 additional credit hours of EGT and/or EMET(*) courses						
Total Track Credits						
Computer Science Track (18 credits)						
INF 120	, 5					
CSC 260	C 260 Object Oriented Programming I					
CSC 360	Object Oriented Programming II	3				
CSC 362	Computer Systems	3				
CSC 407	Concepts of Programming Languages	3				
CSC 462	Computer Architecture	3 18				
Total Track Credits						

Students are required to select one of the MET tracks listed above. Courses for "Default Track: Automated Systems" are incorporated in the 4-year plan but marked by a suffix "OR Track ...". Students who would like to select alternative tracks will replace Default Track" courses with those of their desired track.

<sup>\*</sup>Courses in the "Alternative Energy" and "Laser Technology" tracks are offered by Cincinnati State Community College.