

MECHATRONICS TECHNOLOGY, A.A.S. - MCT3

Requirements

Courses	Course Title	Credit Hours
General Education Courses		
ENG 165 or ENG 101	Professional Communications English Composition I	3
MAT 170 or MAT 110	Algebra, Geometry and Trigonometry I College Algebra	3
MAT 171 or MAT 111	Algebra, Geometry and Trigonometry II College Trigonometry	3
	Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)	3
	Elective Social/Behavioral Sciences (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)	3
	Subtotal	15
Required Core Subject Areas		
AMT 105	Robotics and Automated Control I	3
EEM 117 or EET 111	AC/DC Circuits I DC Circuits	4
EEM 251 or EET 235	Programmable Controllers Programmable Controllers	3
IMT 131	Hydraulics and Pneumatics	4
IMT 170	Statistical Process Control	3
	Subtotal	17
Other Courses Required for Graduation		
AMT 205	Robotics and Automated Control II	3
EEM 118 or EET 112	AC/DC Circuits II AC Circuits	4
EEM 140	National Electrical Code	3
EEM 151 or EET 231	Motor Controls I Industrial Electronics	4
EEM 162 or EET 233	Introduction to Process Control Control Systems	3-4
EEM 200 or EET 131	Semiconductor Devices Active Devices	4
EEM 231 or EET 145	Digital Circuits I Digital Circuits	3-4
EEM 241 or EET 251	Microprocessor I Microprocessor Fundamentals	3-4
IMT 112 or IMT 210	Hand Tool Operations Basic Industrial Skills I	3
	Select one of the following:	4
IMT 161	Mechanical Power Applications ¹	

IMT 101 & MET 235	Introduction to Industrial Maintenance and Manufacturing Engineering Principles ¹	
Subtotal		34-37
Total Hours		66-69

¹ IMT 101 Introduction to Industrial Maintenance and MET 235 Manufacturing Engineering Principles must be taken together if the student chooses to enroll in these courses instead of IMT 161 Mechanical Power Applications.