

# MECHATRONICS TECHNOLOGY, A.A.S. - MCT3

## Graduation Plan

### Fall Start

Course	Title	Hours
<b>First Year</b>		
<b>Fall Semester</b>		
EEM 117	AC/DC Circuits I	4
IMT 112	Hand Tool Operations	3
IMT 161	Mechanical Power Applications	4
IMT 170	Statistical Process Control	3
Hours		14
<b>Spring Semester</b>		
EEM 118	AC/DC Circuits II	4
EEM 151	Motor Controls I	4
IMT 131	Hydraulics and Pneumatics	4
MAT 170 or MAT 110	Algebra, Geometry and Trigonometry I or College Algebra	3
Hours		15
<b>Summer Semester</b>		
EEM 162	Introduction to Process Control	3
EEM 200	Semiconductor Devices	4
EEM 231	Digital Circuits I	3
MAT 171 or MAT 111	Algebra, Geometry and Trigonometry II or College Trigonometry	3
Hours		13
<b>Second Year</b>		
<b>Fall Semester</b>		
AMT 105	Robotics and Automated Control I	3
EEM 140	National Electrical Code	3
EEM 251	Programmable Controllers	3
Elective Social/Behavioral Sciences ( <a href="https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/">https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/</a> )		3
Hours		12
<b>Spring Semester</b>		
AMT 205	Robotics and Automated Control II	3
EEM 241	Microprocessor I	3
ENG 165	Professional Communications	3
Elective Humanities/Fine Arts ( <a href="https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/">https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/</a> )		3
Hours		12
Total Hours		66

<sup>1</sup> IMT 101 Intro 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.