

MECHATRONICS TECHNOLOGY, A.A.S. - MCT3

Graduation Plan

Fall Start - Greenwood (Day)

Course	Title	Hours
First Year		
Fall Semester		
COL 103	College Skills	3
EEM 117 or EET 111	AC/DC Circuits I or DC Circuits	4
IMT 112	Hand Tool Operations	3
IMT 161	Mechanical Power Applications	4
Hours		14
Spring Semester		
EEM 118 or EET 112	AC/DC Circuits II or AC Circuits	4
EEM 151 or EET 231	Motor Controls I or Industrial Electronics	4
IMT 131	Hydraulics and Pneumatics	4
Mathematical Requirement (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		15
Summer Semester		
ENG 165 or ENG 101	Professional Communications or English Composition I	3
Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Elective Behavioral Science (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Lab Science/Mathematics (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		12
Second Year		
Fall Semester		
AMT 105	Robotics and Automated Control I	3
EEM 200	Semiconductor Devices	4
EEM 231	Digital Circuits I	3
EEM 251	Programmable Controllers	3
IMT 170	Statistical Process Control	3
Hours		16
Spring Semester		
AMT 205	Robotics and Automated Control II	3
EEM 140	National Electrical Code	3
EEM 162 or EET 233	Introduction to Process Control or Control Systems	3

EEM 241 or EET 251	Microprocessor I or Microprocessor Fundamentals	3
Hours		12
Total Hours		69

Fall Start - Greenwood (Evening)

Course	Title	Hours
First Year		
Fall Semester		
COL 103	College Skills	3
EEM 117 or EET 111	AC/DC Circuits I or DC Circuits	4
IMT 112	Hand Tool Operations	3
IMT 161	Mechanical Power Applications	4
Hours		14
Spring Semester		
EEM 118 or EET 112	AC/DC Circuits II or AC Circuits	4
EEM 151 or EET 231	Motor Controls I or Industrial Electronics	4
IMT 131	Hydraulics and Pneumatics	4
Mathematical Requirement (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		15
Summer Semester		
AMT 105	Robotics and Automated Control I	3
EEM 200	Semiconductor Devices	4
EEM 231	Digital Circuits I	3
Lab Science/Mathematics (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		13
Second Year		
Fall Semester		
AMT 205	Robotics and Automated Control II	3
EEM 251	Programmable Controllers	3
IMT 170	Statistical Process Control	3
Elective Behavioral Science (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		15
Spring Semester		
EEM 140	National Electrical Code	3
EEM 162	Introduction to Process Control	3
EEM 241	Microprocessor I	3
ENG 165 or ENG 101	Professional Communications or English Composition I	3
Hours		12
Total Hours		69

Fall Start - Newberry (Day Only)

Course	Title	Hours
First Year		
Fall Semester		
COL 103	College Skills	3
EEM 117	AC/DC Circuits I	4
IMT 112	Hand Tool Operations	3
IMT 161	Mechanical Power Applications	4
Hours		14
Spring Semester		
EEM 118	AC/DC Circuits II	4
EEM 151	Motor Controls I	4
IMT 131	Hydraulics and Pneumatics	4
Mathematical Requirement (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		15
Summer Semester		
AMT 105	Robotics and Automated Control I	3
EEM 200	Semiconductor Devices	4
EEM 231	Digital Circuits I	3
Lab Science/Mathematics (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		13
Second Year		
Fall Semester		
EEM 251	Programmable Controllers	3
AMT 205	Robotics and Automated Control II	3
IMT 170	Statistical Process Control	3
Elective Behavioral Science (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		15
Spring Semester		
EEM 140	National Electrical Code	3
EEM 162	Introduction to Process Control	3
EEM 241	Microprocessor I	3
ENG 165 or ENG 101	Professional Communications or English Composition I	3
Hours		12
Total Hours		69

Fall Start - LCAM/Laurens (Day Only)

Course	Title	Hours
First Year		
Fall Semester		
COL 103	College Skills	3
EEM 117	AC/DC Circuits I	4
IMT 112	Hand Tool Operations	3

IMT 161	Mechanical Power Applications	4
Hours		14
Spring Semester		
EEM 118	AC/DC Circuits II	4
EEM 151	Motor Controls I	4
IMT 131	Hydraulics and Pneumatics	4
Mathematical Requirement (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		15
Summer Semester		
ENG 165 or ENG 101	Professional Communications or English Composition I	3
Elective Behavioral Science (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Lab Science/Mathematics (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		12
Second Year		
Fall Semester		
AMT 105	Robotics and Automated Control I	3
EEM 251	Programmable Controllers	3
IMT 170	Statistical Process Control	3
EEM 200	Semiconductor Devices	4
EEM 231	Digital Circuits I	3
Hours		16
Spring Semester		
AMT 205	Robotics and Automated Control II	3
EEM 140	National Electrical Code	3
EEM 162	Introduction to Process Control	3
EEM 241	Microprocessor I	3
Hours		12
Total Hours		69

Spring Start - Greenwood Only (Day Only)

Course	Title	Hours
First Year		
Spring Semester		
COL 103	College Skills	3
EEM 117 or EET 111	AC/DC Circuits I or DC Circuits	4
EEM 118 or EET 112	AC/DC Circuits II or AC Circuits	4
Mathematical Requirement (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		14
Summer Semester		
EEM 140	National Electrical Code	3
IMT 112	Hand Tool Operations	3

IMT 161	Mechanical Power Applications	4
IMT 170	Statistical Process Control	3
Hours		13
Fall Semester		
EEM 151 or EET 231	Motor Controls I or Industrial Electronics	4
EEM 200	Semiconductor Devices	4
EEM 231	Digital Circuits I	3
IMT 131	Hydraulics and Pneumatics	4
Hours		15
Second Year		
Spring Semester		
AMT 105	Robotics and Automated Control I	3
EEM 241	Microprocessor I	3
EEM 251 or EET 235	Programmable Controllers or Programmable Controllers	3
ENG 165 or ENG 101	Professional Communications or English Composition I	3
Lab Science/Mathematics (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		15
Summer Semester		
AMT 205	Robotics and Automated Control II	3
EEM 162 or EET 233	Introduction to Process Control or Control Systems	3
Elective Behavioral Science (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Elective Humanities/Fine Arts (https://catalog.ptc.edu/student-handbook/advising-registration/general-education-courses/)		3
Hours		12
Total Hours		69