

# Mechatronics Engineering Technology

## Mechatronics Engineering Technology Suggested Course Sequence

The following is the suggested plan for when to take each course to complete the Associate in Applied Science degree, based on the program requirements of the 2024-2025 catalog. This is only a recommendation — you may take courses in another order upon consultation with your advisor. This plan is based on you starting with college-level math and English courses, starting your program in the fall, and attending full-time. You can also follow this sequence if you attend part-time. Speak with your academic advisor about the plan and any questions. This program might also offer diplomas or certificates; visit the catalog or contact the program for details. Visit the Academic Advising page for instructions on locating your assigned advisor: <https://www.cpcc.edu/academics/academic-advising>

Term I		Credits
ENG 111	Writing and Inquiry	3.0
MAT 121	Algebra/Trigonometry I	3.0
ELC 131	Circuit Analysis I	4.0
ISC 112	Industrial Safety	2.0
EGR 125	Applications Software for Tech	2.0
ACA 122	College Transfer Success	1.0
<b>Credits</b>		<b>15</b>
Term II		
PHY 131	Physics-Mechanics	4.0
ATR 112	Introduction to Automation	3.0
ELC 135	Electrical Machines	3.0
ISC 212	Metrology	2.0
DFT 154	Introduction to Solid Modeling	3.0
<b>You may have completed program certificate C40350-C5. Confirm eligibility with your academic advisor.</b>		
<b>Credits</b>		<b>15</b>
Term III		
ELC 213	Instrumentation	4.0
Humanities/Fine Arts		3.0
COM 110	Introduction to Communication	3.0
<b>Credits</b>		<b>10</b>
Term IV		
ELN 260	Programmable Logic Controllers	4.0
MEC 265	Fluid Mechanics	3.0
MEC 130	Mechanisms	3.0
ELC 136	Electrical Machines II	4.0
<b>Credits</b>		<b>14</b>
Term V		
PCI 173 or PCI 170	Programmable Systems or DAQ and Control	4.0
MEC 210	Applied Mechanics	3.0
MEC 180	Engineering Materials	3.0
MEC 161	Manufacturing Processes I	3.0
ECO 251	Principles of Microeconomics	3.0
<b>You may have completed program certificate C40350-C8. Confirm eligibility with your academic advisor.</b>		
<b>Credits</b>		<b>16</b>
<b>Total Credits</b>		<b>70</b>