

Mechatronics Technology

(2016–present)

(722.1) Associate of Science

North

First Semester		Credits	Term Taken	CCAC Grade	TRF/CBE* CLEP/AP*
MEC-100	Mechatronics Safety & Quality	3	_____	_____	_____
MEC-102	Industrial Processes	3	_____	_____	_____
MEC-103	Fundamentals of Electricity	3	_____	_____	_____
MEC-104	Mechanical Systems	3	_____	_____	_____
MEC-150	Fluid Power	3	_____	_____	_____
Second Semester					
MEC-106	Industrial Power Systems	3	_____	_____	_____
MEC-108	Programmable Logic Controllers 1 (PLC1)	3	_____	_____	_____
MEC-110	Digital Electronics	3	_____	_____	_____
MEC-112	Introduction to Robotics	3	_____	_____	_____
MED-156	Motors and Motor Control	3	_____	_____	_____
Third Semester					
ENG-101	English Composition 1	3	_____	_____	_____
MAT-108	Intermediate Algebra ¹ or	3	_____	_____	_____
MAT-191	Mathematics for the Industries	4	_____	_____	_____
PSY-101	Introduction to Psychology ¹ or	3	_____	_____	_____
PSY-116	Organizational Psychology	3	_____	_____	_____
	Restricted Elective ²	3–4 ³	_____	_____	_____
	Restricted Elective ²	3	_____	_____	_____
Fourth Semester					
ENG-102	English Composition 2 ¹ or	3	_____	_____	_____
ENG-103	Technical Communications	3	_____	_____	_____
MEC-208	Programmable Logic Controllers 2 (PLC2)	3	_____	_____	_____
PHY-141	Physics 1 ¹ or	4	_____	_____	_____
PHS-161	Physical Science for the Industries	3	_____	_____	_____
SPH-101	Oral Communication	3	_____	_____	_____
	Restricted Elective ^{2, 3}	3	_____	_____	_____

Minimum Credits to Graduate:**60-63***(Continued on page 2)*

* TRF=Transfer Credit CBE=Credit by Exam CLEP=College Level Examination Program AP=Advanced Placement Examination

This advising/graduation checklist lists the program requirements for students entering CCAC in the academic year indicated. A continuing student may graduate with the requirements in effect the year the student entered CCAC. All students must earn 30 college level credits in CCAC classes (this includes distance education courses) and have a minimum institutional GPA of 2.0. Mathematics electives must be at the 100 level. The remaining program credits may include transfer credit, credit by examination, CLEP, or AP examinations. Institutional credits and GPA are used to determine eligibility for graduation.

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North¹Students planning on transferring to a four-year institution should take the following courses:

ENG-102	English Composition	3
MAT-108	Intermediate Algebra	4
PHY-141	Physics 1	3
PSY-101	Psychology	3

²Students can specialize in four areas by taking the following suggested restricted electives:**Recommended Restricted Electives: Robotics & Automation Artificial Intelligence (9 credits)**

MEC-220	Robotics and Controls	3
MEC-225	Automated Equipment	3
MEC-230	Advanced Programmable Logic Controllers 1	3

Recommended Restricted Electives: Instrumentation & Process Controls (9-10 credits)

MEC-204	AC/DC Electronic	3
MEC-205	Troubleshooting Advanced Motor Controls	3
MEC-211	Process Control	4

Recommended Restricted Electives: Supply Chain Technology (9 credits)

MEC-220	Robotics and Controls	3
MEC-225	Automated Equipment	3
WLD-221	Brazing and Welding	3

Recommended Restricted Electives: Industrial Electronics (9 credits)

MEC-204	AC/DC Electronic Drives	3
MEC-240	Advanced Electrical Circuits	3
MEC-245	Electronics in Industry	3

³MEC-211 can be taken once in the third or fourth semester.

Comments: _____

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