



Academic & Career **PATHWAYS**

Associate **of** Applied Science (A.A.S.)

Engineering Technology - Mechatronics Emphasis – Advising Track

This program leads to an Associate of Applied Science degree and certificate. The degree prepares the student for employment in a broad range of engineering, architectural, and related fields. Graduates will have a strong background with multiple computer aided design technologies and an understanding of basic design principles in various engineering and architectural fields. This program transfers to area universities if the student wishes to pursue a four-year degree in Computer Aided Drafting and Design.

Semester 1 - Fall		
Course	Credits	Action Steps
ETEC 152^ (Prerequisite and Elective)	5	<ul style="list-style-type: none"> Meet with Academic Advisor to set up a degree plan in Starfish
MATH 120^ or MATH 150^ (General Education Requirement)	3 - 5	
ENGL 101^ (General Education Requirement)	3	
INTE 112^ (Program Requirement) – 1 st 8 weeks	2	
INTE 113^ (Program Requirement) – 2 nd 8 weeks	2	
Total Credits	15 - 17	
Semester 2 - Spring		
INTE 115^ (Program Requirement) – 1 st 8 weeks	3	<ul style="list-style-type: none"> Pass Civics Exam with 70% or higher
INTE 175^ (Program Requirement) – 2 nd 8 weeks	3	
CSIS or ETEC or INTE Elective (Program Requirement)	3	
COMM 100^ or COMM 102^ (General Education Requirement)	3	
HIST 120, HIST 121 or POLS 136 (General Education Requirement/Civics)	3	
Total Credits	15	
Semester 3 - Summer		
MATH 130^ (General Education Requirement- not needed if MATH 150 taken)	0-3	
Total Credits	0-3	
Semester 4 - Fall		
PHYS 130 or PHYS 220^ (General Education Requirement)	5	<ul style="list-style-type: none"> Meet with Career Services to develop a resume Apply for internship or other field work experience for ETEC 290
CSIS or ETEC or INTE Elective (Program Requirement)	3	
CSIS or ETEC or INTE Elective (Program Requirement)	3	
EHSS 111 or EHSS 112 (Program Requirement)	1	
INTE 271^ (Program Requirement)	4	
Total Credits	16	



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Semester 5 - Spring

ETEC 270^ (Program Requirement)	3	• Apply for graduation
INTE 273^ (Program Requirement)	3	
ENGL 215^ (General Education Requirement)	3	• Apply for jobs
ETEC 290^ (Program Requirement)	3	
Total Credits	12	
Credits Required	60*	

**The A.A.S. degree requires a minimum of 60 credits to graduate. When selecting courses from multiple options, please consider the number of credits for the course in your planning*

This Pathway Map is an advising tool designed for full-time students on this A.A.S. degree and identifies the course taking recommendations for timely degree completion. Degree requirements and prerequisites information can be found here: <https://mccckc.edu/programs/engineering-technology/>

All students are encouraged to meet with their academic advisor to develop an individualized completion plan that best meets their goals, interest, and objectives.

^Course requires a prerequisite or appropriate placement, see catalog for additional information.