



Academic & Career **PATHWAYS**

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

Industrial Technologies - Industrial Maintenance –

Full-Time Advising Guide

If you enjoy always learning new technology and hands on learning, careers in the industrial technology program will prepare you for jobs related to the repair and installation of automation, robotics and programming of machines in manufacturing, energy and utilities.

Complete all the courses below to earn the A.A.S degree.

	Course	Degree Requirements Met	Credits	Action Steps
Semester 1				
<input type="checkbox"/>	ENGL 101 Composition & Reading I	General Education Requirements	3	▪ Meet with Student Success Advisor to build degree plan
<input type="checkbox"/>	COMM 100 Fundamentals of Speech	General Education Requirement	3	
<input type="checkbox"/>	INTE 112 Industrial Electrical DC Principles – 1 st 8-week course	Core Program Requirement	2	
<input type="checkbox"/>	INTE 113 Industrial Electrical AC Principles – 2 nd 8-week course	Core Program Requirement	2	
<input type="checkbox"/>	EHSS 111 Intro to Health & Safety	Core Program Requirement	1	
<input type="checkbox"/>	ELECTIVE <i>Choose <u>any course</u> 100 level or higher if semester total is less than 15</i>	Elective	3	
			14	
Semester 2				
<input type="checkbox"/>	INTE 107 Industrial Electrical Safety	Core Program Requirement	3	▪ Meet with Student Success Advisor
<input type="checkbox"/>	INTE 115 Electrical Print Reading – 1 st 8-week course	Core Program Requirement	3	
<input type="checkbox"/>	INTE 175 Electric Motor Controls I – 2 nd course	Core Program Requirement	3	
<input type="checkbox"/>	INTE 140 Fundamentals of Industrial Machine Repair	Core Program Requirement	3	
<input type="checkbox"/>	WELD 105 Welding for the Trades	Specific Program Requirements	3	
<input type="checkbox"/>	MATH 102 Technical and Business Math OR MATH 120 College Algebra <i>Choose one</i>	Mathematics Requirement	3-5	
Total Semester Credits			18-20	
Semester 3				
<input type="checkbox"/>	INTE 240 Advanced Industrial Machine Repair	Specific Program Requirements	3	▪ Meet with Student Success Advisor
<input type="checkbox"/>	INTE 151 Industrial Rigging	Specific Program Requirements	3	▪ Meet with Career Center



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<input type="checkbox"/>	INTE 150 Fluid Power Fundamentals of Hydraulics and Pneumatics	Specific Program Requirements	3	<ul style="list-style-type: none"> ▪ Complete Civics Exam with 70% or higher
<input type="checkbox"/>	MATH 150 PreCalculus or higher	Mathematics Requirement	5	
<input type="checkbox"/>	POLS 136 Introduction to U.S. National Politics	Civics Requirement	3	
Total Semester Credits			17	
Semester 4				
<input type="checkbox"/>	INTE 275 Electric Motor Controls 2	Specific Program Requirements	3	<ul style="list-style-type: none"> ▪ Meet with Student Success Advisor ▪ Apply for Graduation ▪ Apply for jobs
<input type="checkbox"/>	INTE 260 Industrial Pipefitting and Plumbing Fundamentals	Specific Program Requirements	3	
<input type="checkbox"/>	CIMM 101 Machine Shop Safety	Specific Program Requirements	1	
<input type="checkbox"/>	CIMM 102 Basic Lathe Operation	Specific Program Requirements	1	
	CIMM 103 Basic Mill Operation	Specific Program Requirements	1	
<input type="checkbox"/>	INTE 276 Electrical and PLC Troubleshooting	Specific Program Requirements	3	
<input type="checkbox"/>	ENGL 215 Technical Writing OR SPAN 100 Beginning Occupational Spanish Choose one	General Education Requirements	3	
Total Semester Credits			15	
Credits Required for A.A.S. Degree			61-63	
<p><i>*The A.A.S. in Industrial Technologies - Industrial Maintenance requires a minimum of 61 - 64 total credits to graduate. When selecting a course from multiple options, please consider the number of credits for each course to ensure meeting the minimum requirements for graduation.</i></p>				

This Pathway Map is an advising tool designed for full-time students and identifies the course recommendations for timely degree completion. All pathway maps can be modified to fit the individual needs of students. All students are encouraged to meet with their success advisor to develop an individualized completion plan that best meets their goals, interests, and objectives. Degree requirements and prerequisite information can be found here: [Industrial Technologies - Industrial Maintenance](#)

Please note:

Courses may require a prerequisite or appropriate placement, see the [Academic Catalog](#) for additional information.