



Academic & Career PATHWAYS

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

Industrial Technologies - Stationary Engineer– 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.

	Course	Degree Requirements Met	Credits	Action Steps
Semester 1				
<input type="checkbox"/>	ENGL 101 Composition & Reading I	General Education Requirement	3	<ul style="list-style-type: none"> ▪ Meet with Student Success Advisor to build degree plan
<input type="checkbox"/>	COMM 100 Fundamentals of Speech	General Education Requirement	3	
<input type="checkbox"/>	MATH 102 Technical and Business Math OR MATH 120 College Algebra Choose one	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"/>	INTE 107 Industrial Electrical Safety	Program Requirements	2	
Total Semester Credits			15	
Semester 2				
<input type="checkbox"/>	MATH (continue sequence: MATH104 or MATH 130 or Pre-Calc if Option B)	Mathematical Requirement	3	<ul style="list-style-type: none"> ▪ Meet with Student Success Advisor ▪ Complete Civics Exam with 70% or higher ▪ Meet with Career Center
<input type="checkbox"/>	INTE 115 Electrical Print Reading – 1 st 8- week course	Core Program Requirements	3	
<input type="checkbox"/>	INTE 175 Electric Motor Controls I – 2 nd 8- week course	Core Program Requirements	3	
<input type="checkbox"/>	EHSS 111 Intro to Health & Safety	Core Program Requirements	1	
<input type="checkbox"/>	INTE 140 Fundamentals of Industrial Machine Repair	Core Program Requirements	3	
<input type="checkbox"/>	HIST 120 United States History to 1865 HIST121 United States History since 1865 OR POLS 136 Introduction to U.S. National Politics Choose One	General Education Elective	3	
Total Semester Credits			16	
Semester 3				
<input type="checkbox"/>	HVAC 111 Principles of HVAC	Specific Program Requirement	3	<ul style="list-style-type: none"> ▪ Meet with Student Success Advisor
<input type="checkbox"/>	HVAC 120 Fundamentals of Refrigeration	Specific Program Requirement	4	
<input type="checkbox"/>	INTE 271 Programmable Logic Controller I	Specific Program Requirement	4	
<input type="checkbox"/>	ENGL 215 Technical Writing OR SPAN 100 Beginning Occupational Spanish Choose one	General Education Requirement	3	



Academic & Career PATHWAYS

			Total Semester Credits	14	
Semester 4					
<input type="checkbox"/>	HVAC 201 Stationary Engineering	Specific Program Requirement	3	<ul style="list-style-type: none"> ▪ Meet with Student Success Advisor ▪ Apply for Graduation ▪ Apply for jobs 	
<input type="checkbox"/>	INTE 240 Advanced Industrial Machine Repair	Specific Program Requirement	3		
<input type="checkbox"/>	HVAC 221 Commercial Refrigeration	Specific Program Requirement	4		
<input type="checkbox"/>	INTE 224 Energy Management	Specific Program Requirement	3		
<input type="checkbox"/>	INTE 270 Instrumentation & Process Controls	Specific Program Requirement	3		
			Total Semester Credits	16	
			Credits Required for A.A.S. Degree	63 – 66*	
<i>*The A.A.S. in Industrial Technologies - Stationary Engineer requires a minimum of 63.0 - 66.0 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>					

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: [Stationary Engineer](#)

Please note:

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