

AIR CONDITIONING AND REFRIGERATION			
Associate of Science Degree			
	Course #	Course Name	Credit Hours
Semester 1	ORI 101 OR ORT 100	Orientation to College OR Orientation for Career Students	1
	MTH 116 or higher	Mathematical Applications or Higher	3
	ACR 111	Principles of Refrigeration	3
	ACR 112	HVAC/R Service Procedures	3
	ACR 113	Refrigeration Piping Practices	3
	ACR 121	Principles of Electricity for HVAC	3
Semester 2	ACR 122	HVAC/R Electrical Circuits	3
	ACR 123	HVAC/R Electrical Components	3
	ACR 210	Trouble Shooting HVAC/R Systems	3
	CIS 146	Microcomputer Applications	3
Semester 3	ACR 119	Fundamentals of Gas Heating Systems Gas Heat (Gas Heat Ready to Work Certification Exam)	3
	ACR 147	Refrigeration Transition and Recovery (EPA Certification Exam)	3
	ACR 148	Heat Pump Systems I	3
	ACR 149	Heat Pump Systems II (Heat Pump Ready to Work Certification Exam)	3
	ENG 101	English Composition I	3
			<b>Semester Total: 15</b>
Semester 4	Area III Elective	Science/Math Elective	3 - 4
	SPH 106 OR 107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
	PSY 200	General Psychology	3

	ACR 132	Residential Air Conditioning	3
			<b>Semester Total: 12 - 13</b>
Semester 5	Area II Elective	Humanities/Fine Arts Elective	3
	ACR 134	Ice Machines	3
	ACR 203	Commercial Refrigeration	3
	ACR 209	Commercial Air Conditioning Systems	3
	BUS 100	Introduction to Business	3
		ELIGIBLE FOR AAS – AIR CONDITIONING AND REFRIGERATION	<b>Semester Total: 15</b>
			<b>Program Total: 70 - 71</b>

**NOTE:** This Guided Pathway contains all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online.