



AIR CONDITIONING AND REFRIGERATION Certificate

	Course #	Course Name	Credit Hours
Semester 1	ORI 101/ ORT 100	Orientation to College OR Orientation for Career Students	1
	MTH 116	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 Total: 16	
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 Total: 12	
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
		ELIGIBLE FOR STACKABLE STC – Basic HVAC Technician ELIGIBLE FOR STACKABLE STC – Air Conditioning & Refrigeration	Semester Total: 15
Semester 4	SPH 106/ SPH 107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
	ACR 132	Residential Air Conditioning	3
	ACR 134	Ice Machines	3
	ACR 203	Commercial Refrigeration	3
	ACR 209	Commercial Air Conditioning Systems	3
		Semester Total: 15	
		ELIGIBLE FOR CERTIFICATE– Air Conditioning & Refrigeration	Program Total: 58

NOTE: The Guided Pathway provided above includes all the necessary coursework for degree/certificate fulfillment. However, courses can be offered or taken in alternate semesters, provided prerequisites are fulfilled. Courses may be scheduled during daytime, evening, hybrid, or online sessions. For specific course requirements, consult the ALABAMA TRANSFERS GUIDE @ <https://alabamatransfers.com> or contact the transfer institution.