



Air Conditioning and Refrigeration Certificate

Advisors – Ayers Campus: Joseph Hulsey, Air Conditioning Refrigeration Building (256.835.5418)

jhulsey@gadsdenstate.edu;

Valley Street Campus: Tim Hardy, Air Conditioning Refrigeration Building (256.549.8662) thardy@gadsdenstate.edu

		STUDENT PROGRESS	
		Grade	<u>Term Completed</u>
Area I — Written Composition:	3		
• ENG 101 - English Composition I	3		
Area II — Humanities and Fine Arts:	0		
Area III — Natural Science or Mathematics:	3		
• MTH 100 - Intermediate College Algebra OR numerically higher	3		
Area IV — History, Social and Behavioral Sciences:	0		
Area V – Technical Courses:	40		
Courses listed below are required.			
• * ACR 111 - Principles of Refrigeration.....	3		
• * ACR 112 - HVACR Service Procedures	3		
• * ACR 113 - Refrigeration Piping Practices	3		
• ACR 119 - Fundamentals of Gas Heating Systems	3		
• ACR 120 - Fundamentals of Electric Heating Systems	3		
• * ACR 121 - Principles of Electricity for HVACR	3		
• * ACR 122 - HVACR Electric Circuits	3		
• * ACR 123 - HVAC/R Electrical Components	3		
• ACR 132 - Residential Air Conditioning	3		
• ACR 148 - Heat Pump Systems I	3		
• ACR 202 – Special Refrigeration	3		
• ACR 209 – Commercial Air Conditioning Systems	3		
• ACR 210 - Troubleshooting HVACR Systems	3		
• CIS 146 - Microcomputer Applications	3		
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR DDT 104 –Basic Computer-Aided Drafting and Design	3		
• * ORI 101 - Orientation to College	1		
• SPH 106 - Fundamentals of Oral Communication	3		

***Required courses**

Total Hours Required for Certificate: **46**

NOTICE(s): For the certificate in Air Conditioning and Refrigeration, the student must complete 46 hours – 40 hours in technical courses and 6 hours in general education courses — all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Admission Requirement: High school diploma or GED.