



## Air Conditioning and Refrigeration Certificate

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	<b>STUDENT PROGRESS</b>	
	Grade	<u>Term Completed</u>
<b>Area I — Written Composition: .....</b>		
• ENG 101 - English Composition I .....	3	3
<b>Area II — Humanities and Fine Arts: .....</b>		
	<b>0</b>	
<b>Area III — Natural Science or Mathematics: .....</b>		
• MTH 100 - Intermediate College Algebra <b>OR</b> numerically higher .....	3	3
<b>Area IV — History, Social and Behavioral Sciences: .....</b>		
	<b>0</b>	
<b>Area V – Technical Courses: .....</b>		
	<b>40</b>	
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) <b>OR</b> 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.