



CHATTAHOOCHEE VALLEY COMMUNITY COLLEGE

**Short Certificate - Applied Technology:
Air Conditioning and Refrigeration (HVAC) option**

This program emphasizes the fundamental principles for air conditioning, heating and refrigeration. Instruction is provided in the theory and principles of refrigeration and heat transfer, HVAC/R system components, common and specialty tools for HVAC/R and application of the concepts of basic compression refrigeration. Upon completion, students should identify system components and understand their functions, identify and use common and specialty HVAC/R tools and maintain components of a basic compression refrigeration system.

	credit hours
Required courses	22
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 148 Heat Pump Systems	3
ACR 183 Special Topics in Air Conditioning and Refrigeration.....	1
Total	22