

PROGRAM OF STUDY

GREEN HVAC RESIDENTIAL Certificate of Achievement

GREEN HVAC RESIDENTIAL CERTIFICATE offers the students the opportunity to learn the academic, occupational, communication, and technical training skills needed by entry level technicians in the RESIDENTIAL Heating, Ventilating, and Air Conditioning (HVAC) industry. Students completing this certificate will develop multiple skills that include real-world knowledge of: Air conditioning and refrigeration theory and application, equipment tools, systems and components, duct and envelope testing, fundamentals of motors and capacitors, interpreting electrical diagrams, air supply and delivery, system evacuation and charging, troubleshooting, equipment service and installation, energy conservation, design, and safety. This curriculum was developed in collaboration with several community colleges and industry partners to provide a path to various RESIDENTIAL Heating, Ventilating, and Air Conditioning (HVAC) career areas.

Career Opportunities in Energy Systems Technology

manufacturing, design, installation, service, energy auditing, sales, and entrepreneurship.

Required Courses:

ACR 060	Air Conditioning & Refrigeration I	3
ACR 061	Air Conditioning & Refrigeration II	3
ACR 064	Air Conditioning & Refrigeration Electricity I	3
ACR 065	Air Conditioning & Refrigeration Electricity II	3
ACR 075	HVACR Systems Design	3
ACR 077	Energy Conservation Methods for HVACR	3
ACR 078	Safe Refrigerant Handling & Management	3
ACR 080	Gas Heating	3
ACR 083	All Weather Heating & Cooling Systems	3

Total Units

27

PID 258