

Heating, Ventilation, Air Conditioning, And Refrigeration

Credential Awarded	Diploma
Contact Hours	960
Program Quarter Credits	50
Instructional Weeks	48
Total Clock Hours	including Out-of-Class Work Hours: 1213
Mode of Delivery	Residential

Objective

The objective of the program is to provide the student with the skills and knowledge required for entry-level employment in the Heating, Ventilation, Air Conditioning and Refrigeration industry. The program is designed to be comprehensive in nature, including extensive hands-on training, covering service for residential and commercial refrigeration, gas and oil furnaces, heat pumps, electric furnaces and air conditioning equipment.

Description

The Heating, Ventilation, Air Conditioning & Refrigeration program is designed for people interested in a career in the field of climate control systems, focusing on learning objectives identified as the key knowledge points for an HVACR Technician. The student will be adept at using a variety of tools to work with refrigerant lines and air ducts. They use voltmeters, thermometers, pressure gauges, manometers, and other testing devices to check airflow, refrigerant pressure, electrical circuits, burners, and other components. Students will be required to take and pass the EPA certification exam. Students are trained to work as heating, air conditioning and/or refrigeration service technicians in both residential and commercial sites.

Credentialing Exams

Students in their final quarter are eligible to take the EPA Universal Certification Exam.

Career Opportunities

The graduate is prepared to seek entry-level employment in HVACR including but not limited to, service technician, installation technician, and apprentice heating technician.

Plan of Study

Course Code	Name	Clock Hours	Credits	Quarter Credits
HV123	Mechanical Controls	120	0	6
HV126	Commercial Refrigeration	120	0	6
HV132	Fundamentals and Electricity	120	0	7
HV147	E.P.A. Duct Design, Load Calculation	120	0	6
HV151	Basic Refrigeration & Hemetics	120	0	6
HV171	Air Conditioning	120	0	6
HV177	Heating Systems	120	0	7
HV185	Heat Pump Systems	120	0	6

Schedule

Morning: Monday through Thursday 8:00 a.m. - 1:00 p.m.

Evening: Monday through Thursday 6:00 p.m. - 11:00 p.m.