

AIR CONDITIONING/ REFRIGERATION TECHNICIAN CERTIFICATE IN APPLIED SCIENCE

Program Description

This program trains students to install and service heat pumps, gas, electric equipment, and commercial refrigeration units.

Embedded Certificate

This program contains one or more embedded certificates which will automatically be awarded if the certificate requirements are met unless the student completes and submits the Program of Study Change Form (https://www.gvltec.edu/admissions_aid/student_forms/) requesting to opt out of the embedded certificate.

Vision Statement

The Heating, Ventilation, Air-Conditioning, and Refrigeration (HVAC/R) program will provide skilled personnel training consistent with the industry workforce needs.

Mission Statement

The Heating, Ventilation, Air-Conditioning, and Refrigeration (HVAC/R) program will incorporate practical “hands-on” and “real-world problem-solving” training technology into a curriculum that is consistent with the changing skill requirements of the industry. Through planned evaluations from the program advisory committee composed of representatives from local AC/R companies, the student will demonstrate professional ethics and integrity skills while learning in a collaborative teamwork environment.

Entrance Requirements

High school diploma or GED not required. Students may enter this certificate any semester with department head approval.

Type of Program

Day or evening

Professional Credentials

- EPA Technician (subject to passing the EPA exam)
- HVAC Excellence Employment Ready Certification (subject to passing the EPA exam)
- North American Technician Excellence's (NATE) Knowledge Areas of Technician Expertise Core (subject to passing EPA exam)

Program Accreditation

This program is accredited by HVAC Excellence.

Employment Opportunities

Installation and servicing of all types of heating and air conditioning and refrigeration equipment

Visit our web page at <https://www.gvltec.edu/hvacr/>.

Recommended Program Schedule

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables can affect this plan, and not every course is offered every semester. Please see your advisor to map out your own personalized progression toward graduation.

Note: Please contact your advisor for recommended evening schedules.

First Semester		Hours
ACR 101	Fundamentals of Refrigeration	5
ACR 102	Tools and Service Techniques	3
ACR 106	Basic Electricity for HVAC/R	4
Total Semester Hours		12
Second Semester		
ACR 110	Heating Fundamentals	4
ACR 120	Basic Air Conditioning	4
ACR 131	Commercial Refrigeration	4
ACR 140	Automatic Controls	3
Total Semester Hours		15
Third Semester		
ACR 150	Basic Sheet Metal	2
ACR 160	Service Customer Relations	3
ACR 210	Heat Pumps	4
Total Semester Hours		9
Total Required Credit Hours		36