

# BEGINNING ELECTRICITY & REFRIGERATION CERTIFICATE IN APPLIED SCIENCE

*\*This program is not eligible for Federal Financial Aid. See the Financial Aid Office for details.*

## Program Description

This program trains students as beginning HVAC helpers and/or mechanics.

## Vision Statement

The Heating, Ventilation, Air-Conditioning, and Refrigeration (HVAC/R) program will provide skilled personnel trained that is 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 the 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 skills of ethics and integrity 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.

## Program Accreditation

This program is accredited by HVAC Excellence.

## Type of Program

Day or evening

## Professional Credentials

EPA Technician (subject to passing EPA exam)

HVAC Excellence Employment Ready Certification (subject to passing EPA exam)

North American Technician Excellence's (NATE) Knowledge Areas of Technician Expertise Core (subject to passing EPA exam)

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.

Course	Title	Hours
<b>First Semester</b>		
ACR 101	Fundamentals of Refrigeration	5
ACR 102	Tools and Service Techniques	3
ACR 106	Basic Electricity for HVAC/R	4
<b>Total Required Credit Hours</b>		<b>12</b>