

Air Conditioning/Refrigeration Technician Certificate in Applied Science

Mission Statement:

The Air Conditioning and Refrigeration Department is dedicated to the training of students to meet the ever changing needs of the air conditioning/refrigeration industry. The program will be continually monitored and improved to meet employer needs through the department's advisory committee, which is composed of representatives from local AC/R companies. This certificate provides the students with the needed theory and hands-on experience to obtain employment in the residential, commercial air conditioning and commercial refrigeration industries.

Entrance Requirements:

Acceptable placement test score(s); 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 Certification (subject to passing EPA exam)

Employment Opportunities:

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

- This program trains students to install and service heat pumps, gas, oil, electric equipment, and commercial refrigeration units.
- Each student must take one of the following industry competency exams to complete this certificate:
 - Residential Air Conditioning & Heating
 - Light Commercial Air Conditioning & Heating
 - Commercial Refrigeration

Recommended Program Schedule

First Semester

ACR	101	Fundamentals of Refrigeration	5.0
ACR	102	Tools and Service Techniques	3.0
ACR	106	Basic Electricity for HVAC/R	4.0

Second Semester

ACR	110	Heating Fundamentals	4.0
ACR	120	Basic Air Conditioning	4.0
ACR	131	Commercial Refrigeration	4.0
ACR	140	Automatic Controls	3.0

Third Semester

ACR	150	Basic Sheet Metal	2.0
ACR	160	Service Customer Relations	3.0
ACR	210	Heat Pumps	4.0

Total Required Credit Hours: 36.0

Note: See your advisor for recommended evening schedules.

Visit <https://www.gvltec.edu/gainful-employment/> for important information about the educational debt, earnings and graduation rates of students who attended programs.