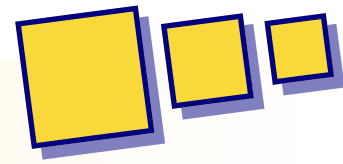


Heating, Ventilation, & Air Conditioning



About the Course
The HVAC program is designed to teach entry-level skills leading to lucrative career in the installation, maintenance, and repair of heating, ventilation, and air conditioning system.



What students will learn...

Basic Topics

Advanced Topics

- ◆ Construction Core Curricular
- ◆ Introduction to HVAC
- ◆ Trade Mathematics
- ◆ Tools Of The Trade
- ◆ Copper and Plastic Piping practices
- ◆ Soldering and Brazing
- ◆ Ferrous Metal Piping practices
- ◆ Basic Electricity
- ◆ Introduction to Cooling
- ◆ Introduction to Heating

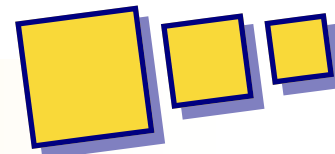
- ◆ Air Distribution System
- ◆ Chimneys, Vents, and Flues
- ◆ Maintenance Skills for the Service Technician
- ◆ Alternating Current
- ◆ Basic Electronics
- ◆ Electric Heating
- ◆ Introduction to Control Circuit Troubleshooting
- ◆ Accessories and Optional Equipment
- ◆ Metering Devices
- ◆ Compressors
- ◆ Heat Pumps
- ◆ Leak Detection, Evacuation, Recovery, and Charging

CERTIFIED

Our HVAC program is industry certified through an organization called CEFGA (Construction Education Foundation of Georgia). We use the NCCER (National Center for Construction and Education Research) curriculum which is colorfully illustrated, easy to read and understand.



Heating, Ventilation, & Air Conditioning



Prerequisites



This course is open to all high school students in the 10th grade or higher. Students must have completed at least one credit in mathematics and one credit in English.

Helpful Courses



- ◆ Good Reading Comprehension
- ◆ Basic Math
- ◆ Good Eye-Hand Coordination

Completion Incentives



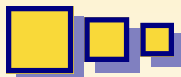
By the year 2005, forty per cent of our country's skilled construction workforce will be forty-five years old or older. Our industry needs young people to step up, show willingness to work and make the commitment to training so that we can fill these vacancies that are growing daily.

Personal Characteristics

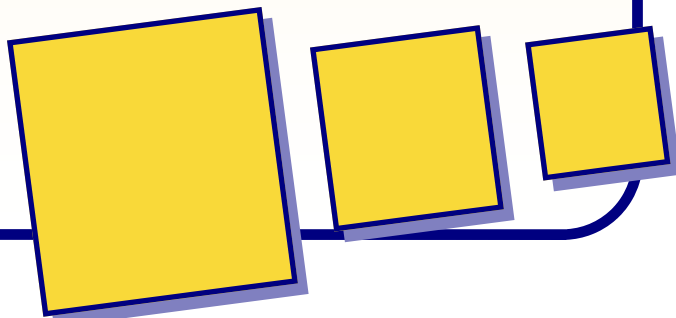


If you enjoy working with your hands, have good hand-eye coordination for wiring electrical circuits, brazing, soldering, cutting and shaping metal, working with power tools and you are willing to study, then you will love HVAC!

Salary Information



A journeyman HVAC technician can make \$45,000 to \$50,000 per year and more, not to mention benefit packages.



Work Based Opportunities

Let your training begin here at the Technical Education Center of Carroll County. You can start as early as your sophomore year. We have job shadowing and an apprenticeship program that can help you earn while you learn.

Career Opportunities

Work based learning opportunities are available from Local Industry Council members through job shadowing, mentoring, cooperative education, and youth apprenticeship. Post secondary training is available through contractors, construction companies, labor unions, and technical colleges.

Co-Curricular School Activities

◆ SkillsUSA-VICA :
A co-curricular school club which provides students with the added benefit of gaining work place skills in the areas of leadership, networking, and skill demonstration through regional, state and national level competitions.

- ◆ Student dues \$13.50



**Carroll County
Schools**

<http://carrollcountyschools.com>