



## CCCTC WEBSITE PREVIEW



The HVAC Program includes instruction in air conditioning, refrigeration, heating, and sheet metal. The air conditioning and refrigeration component includes instruction in sizing, layout, installation, and maintenance of oil, gas, electric, and heat pump forced air heating systems. Also, the students study residential type air conditioning and light commercial refrigeration. Repair of old systems is also covered. The students are instructed on work layouts, reading blueprints and drawings. The sheet metal component in-

### COLLEGE CREDITS AND CERTIFICATIONS:

- Earn articulated college credits through Pen College of Technology, The Community Colleges of Baltimore County, or the University of Northwestern Ohio.
- Take the NCCT Academic Core v2 and NCCT Academic HVAC Level I v2 tests.



### MAJOR UNITS OF STUDY:

- Basic commercial refrigeration
- Basic electricity
- Blueprint reading
- Compressors
- Electric motors
- Electronic air-cleaning
- Energy management systems
- Equipment installation
- Heat Pumps
- Layout, & installation
- Refrigerant Recovery
- Sheet metal layout and design
- Thermostats

### PROFESSIONAL AFFILIATIONS:

- National Center for Construction Education and Research (NCCER)
- Associated Builders and Contractors (ABC)



### SCHEDULE:

HVAC I (3 credits) Spring of junior year  
HVAC II (3 credits) Fall of senior year

Want to know more? Check out our website at:

[www.carrollk12.org/ctc](http://www.carrollk12.org/ctc)

*"Meet the Instructor"*

**College & Career Opportunities**

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