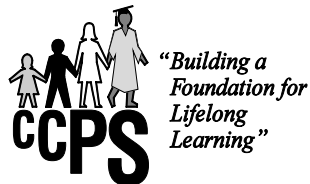


Students will take the following certification exams:

- NCCER — Core: Intro to Craft Skills
- NCCER — HVAC



## HEATING, VENTILATION, & AIR CONDITIONING (HVAC) TECHNOLOGY



**Cecil County  
School of Technology  
912 Appleton Road  
Elkton, MD 21921  
410 392-8879**

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## Career & Technology Education

The HVAC program is only offered at the Cecil County School of Technology (CCST).

Students from the five county high schools have the opportunity to begin this program during the spring semester of their junior year by a designated application process. Students complete the program during the fall semester of their senior year.

Students are encouraged to develop positive work attitudes while building individual skills for success.

Transportation is provided from the home school to and from CCST. Program fees include the cost of trade appropriate clothing, tools, and license/certification tests.

A physical is required before entering the program.



Expect Success at CCST  
Certifications, Citizenship, Skills & Technology

# HVAC

**This program will cover the following:**

- Heating
- Ventilation
- Measurements
- Pipe Threading
- Soldering
- Instrument Testing
- Pressure Testing
- Temperature Testing
- HVAC Component Testing
- Plumbing & Plumbing Codes in HVACR
- Mechanic Codes
- Electrical Troubleshooting
- Schematics
- Blueprint Analysis
- Combustion Analysis
- Theory of Fuels
- Refrigerants
- Calculating Heat & AC Loads

*Students earning a B or higher in HVAC Technology I & II may receive articulated college credit.*

## Heating, Ventilation, & Air Conditioning Technology

Students will learn the technical knowledge and skills needed to repair, install, service, and maintain the operating condition of heating, ventilation, air conditioning (HVAC), and refrigeration systems. The program includes instruction on diagnostic techniques, the use of testing equipment, and principles of mechanics, electricity, and electronics as they relate to these systems. Students must pass the NCCT for HVAC through NCCR's National Registry for certification. Upon completion of the Craft Level curriculum and NCCT, students meet classroom instruction requirements of the related apprenticeship program(s) if accepted by their employer.

Students will earn certifications in various areas of HVAC.

*PRE: Algebra I*

*FEE: approximately \$225 for certification exams, uniform and safety boots*

