Students will take the following certification exams:

- NCCER — Core: Intro to Craft Skills
- NCCER—HVAC Level 1
- NCCER — Plumbing Level 1
The HVAC Technology & Plumbing program is only offered at the Cecil County School of Technology (CCST). Students from the five county high schools have the opportunity to begin the HVAC Technology & Plumbing program during their junior year by a designated application process. Students will complete the program during 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.

Students in the HVAC Technology & Plumbing program must have a physical before beginning the program.

**HVAC TECHNOLOGY & PLUMBING**

This program will cover the following:

- Installing plumbing fixtures
- Various types of piping
- Well pumps
- Plumbing Electric
- Basic Codes

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

**HVAC TECHNOLOGY & PLUMBING**

The HVAC Tech & Plumbing program offers students the opportunity to learn components of the basic refrigeration cycle, testing of components, basic troubleshooting pertaining to electrical components, charging of units with refrigerant, using tools properly, proper air flow, and combustion of fuels in heating pertaining to gas and oil heat. The program includes instruction in diagnostic techniques, the use of testing equipment, and the principles of mechanics, electricity, and electronics as they relate to these systems. The plumbing portion of the program includes learning plumbing tools, codes for piping to plumbing fixtures on projects including water closets, sinks, tubs, faucet installations, drainage codes, and water pumps.

Students will receive training on installing plumbing fixtures, working with various types of piping, well pumps, plumbing electric, and basic codes.

Students will apply their knowledge and skills by participating in the “student-built” house project.

**PRE:** Algebra I (or equivalent)

*S175 for uniforms and certification fees

*Student must purchase safety boots*