



Students will take the following certification exams:

- NCCER — Core: Intro to Craft Skills
- NCCER—HVAC Level I
- NCCER — Plumbing Level I

PLUMBING/ HVAC TECHNOLOGY

Program Course Sequence

Junior Year, First Semester
Foundations of Building & Construction Technology

Junior Year, Second Semester
Plumbing/HVAC 1

Senior Year, All Year
Plumbing/HVAC 2



Cecil County Public Schools does not discriminate in admissions, access, treatment or employment in its programs and activities on the basis of race, color, gender, age, national origin, religion, sexual orientation, or disabling condition.



Cecil County School of Technology
912 Appleton Road
Elkton, MD 21921

Phone: 410.392.8879 Fax: 410.392.8884
Guidance Office: 410.392.8880



Career & Technical Education

The Plumbing/HVAC Technology 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 cover license/certification tests, and miscellaneous items. Trade appropriate clothing, tools, and safety boots must be purchased by students on their own.

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



Expect Success at CCST
Certifications, Citizenship, Skills & Technology

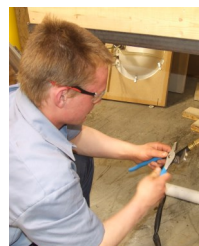


PLUMBING/ HVAC TECHNOLOGY

This program will cover the following:

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

Students earning a B or higher in all courses in the Plumbing/HVAC Technology program course sequence may receive articulated college credit.



PLUMBING/HVAC TECHNOLOGY

The Plumbing/HVAC Technology 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)*

FEES: *\$175 for exams, \$187 for materials, \$65 for uniforms. Student must purchase safety boots, uniforms and tools on their own. Please wait until orientation before purchasing these items.*