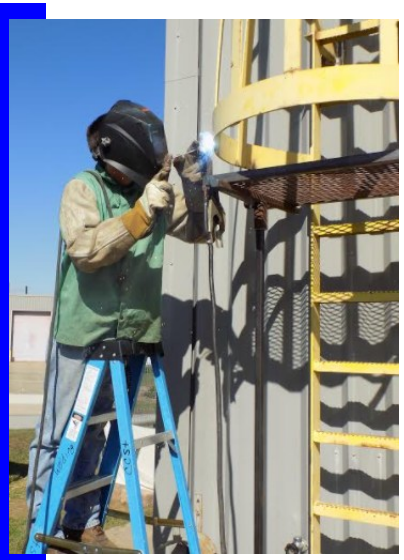








Program Course Sequence

Junior Year, First Semester
Foundations of Welding & Metals Technology

Junior Year, Second Semester
Welding 1

Senior Year, All Year
Welding 2



SkillsUSA competition winners with their prizes

Students will take the following certification exams:

- **OSHA 30 Construction**
- **AWS SENSE Entry**

CECIL COUNTY SCHOOL OF TECHNOLOGY
Exploring Your Tomorrow!

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.





Revised 11/2025

Welding & Metals Technology



CECIL COUNTY
SCHOOL OF TECHNOLOGY
912 APPLETON ROAD
ELKTON, MD 21921

PHONE: 410.392.8879
FAX: 410.392.8884
GUIDANCE OFFICE: 410.392.8880

Welding and Metals Technology

Career & Technical Education

The Welding and Metals 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 this program at the beginning of their junior year by a designated application process. Students will complete the program at the end 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 exam is required before entering the program.

Expect Success at CCST
Certifications, Citizenship, Skills & Technology

Welding & Metals Technology

This program will cover the following:

- **Occupational Orientation**
- **Safety & Health of Welders**
- **Drawing & Welding Symbols**

Principles & Practices in the following:

- **Shielded Metal Arc Welding**
- **Gas Metal Arc Welding**
- **Flux Cored Arc Welding**
- **Gas Tungsten Arc Welding**
- **Thermal Cutting**
- **Welding Inspection & Testing**
- **Metal Fabrication**

Welding & Metals Technology

This program covers the fundamental processes of oxyacetylene, shielded metal arc, gas metal arc, gas tungsten arc, & flux cored arc welding. Identification of welding equipment, metals, metal shapes, joint design, technical drawing reading, related math, and technical reading are included.

Students may earn certifications in
AWS SENSE Entry Level I
OSHA 30

PRE: Algebra I
Fee is approximately $200 for uniform and certification fees. A grinder is also required for this course.

Students earning a final grade of B or higher in all courses in the program sequence may receive articulated college credit. Please refer to the Articulation Agreement Chart for a list of program specific institutions.

