



Program Course Sequence

Junior Year, First Semester
Foundations of Building &
Construction Technology

Junior Year, Second Semester
Welding 1

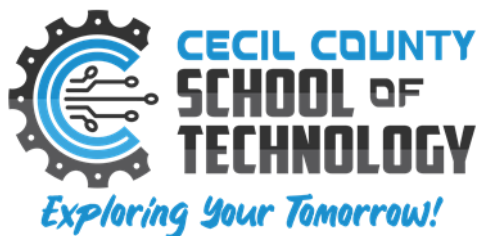
Senior Year, All Year
Welding 2



**SkillsUSA competition
winners with their prizes**

**Students will take the following
certification exams:**

- **NCCER — Core: Intro to Craft Skills**
- **NCCER—Industrial Welding Level I**



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Revised 12/2023

Welding &



Metals

Technology



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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 NCCER - Core: Intro to Craft Skills and NCCER - Industrial Welding Level I

PRE: Algebra I

Fee is approximately \$175 for uniform and \$40 for 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.

