



## ***Program Course Sequence***

***Junior Year, First Semester***  
**Foundations of Building &  
 Construction Technology**

***Junior Year, Second Semester***  
**Industrial Maintenance 1**

***Senior Year, All Year***  
**Industrial Maintenance 2**

***Students earning a final grade of B or  
 higher in all courses in the program  
 sequence may receive articulated college  
 credit.***



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

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



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 01/2021

# **HEAVY INDUSTRIAL MAINTENANCE**



**Cecil County School of Technology**  
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**Elkton, MD 21921**

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# HEAVY INDUSTRIAL MAINTENANCE

## CAREER & TECHNICAL EDUCATION

The Heavy Industrial Maintenance (HIM) 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 HIM program during the their junior year by a designated application process.

Students will complete the program during their senior year. They 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 Heavy Industrial Maintenance are required to have a physical before entering the program.



Expect Success at CCST  
Certifications, Citizenship, Skills & Technology

## Heavy Industrial Maintenance

**This program will cover the following:**

- Electrical Safety
- Hand Bending
- Fasteners and Anchors
- Oxy-fuel Cutting
- Gaskets and Packing
- Craft Related Math
- Construction Drawings
- Pumps and Drives
- Valves
- Introduction to Test Instruments
- Material Handling and Basic Rigging
- Mobile and Support Equipment
- Lubrication
- Contactors and Relays
- Basic Motor Control
- Basic GMAW and SMAW Welding



This program provides students an opportunity to learn about the industry as it relates to commercial building maintenance. Participants gain experience in a variety of electrical and maintenance skills. Skill competencies include demonstration of mastery of commercial and industrial wiring, piping practices, shielded metal arc welding, and welding safety. The course of study correlates to the modules of the National Center for Construction Education and Research (NCCER) standards.

PRE: *Algebra I*  
REC: *Design & CADD Technology*

*Fees are approximately:*  
*\$300 for materials*  
*\$50 for exams*  
*\$35 for uniform*