



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. Please refer to the Articulation Agreement Chart for a list of program specific institutions.



Students will take the following certification exams:

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

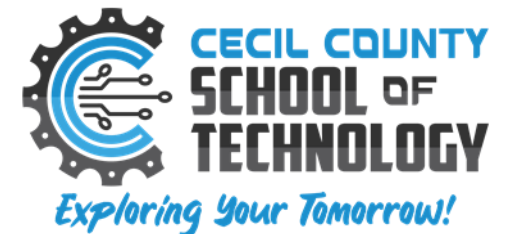


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HEAVY INDUSTRIAL MAINTENANCE



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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
\$40 for exams
\$35 for uniform