

Construction and Development Cluster



Industrial Maintenance Program

This is a new program being offered because of industry demand.

PROGRAM OF STUDY OVERVIEW:

The Industrial Maintenance Program of Study provides students with the opportunity to prepare for careers in commercial building maintenance. Students master a variety of electrical and maintenance skills including cutting, piping and lubrication of equipment and systems. The program is affiliated with the National Center for Construction Education and Research (NCCER).



Entrance Grades	Foundations of Building and Construction Technology (CORE) 1 Credit Double-blocked for One Quarter*	Industrial Maintenance I 1 Credit Double-blocked for One Quarter*	Industrial Maintenance II 2 Credits Double-blocked for One Semester	Industrial Maintenance III (optional)** 2 Credits Double-blocked for One Semester	Work Study (optional)
	*Students commit to completing CORE & Industrial Maintenance I sequentially in a semester.			**By space available & teacher recommendation	
10 th Grade Entrance	Fall Sophomore		Spring Sophomore	**Spring Junior	Senior
11 th Grade Entrance	Fall Junior		Spring Junior	**Spring Senior	Senior
12 th Grade Entrance	Fall Senior		Spring Senior		

IN THIS PROGRAM

Students will learn:

- how to safely operate hand and power tools used in the industrial maintenance industry;
- oxyfuel cutting techniques, along with ferrous metal pipe fitting practices; and
- the inner workings of heaters, furnaces, heat exchangers, cooling towers, and fin fans.

COURSE SEQUENCE

- Foundations of Building and Construction Technology
- Industrial Maintenance I
- Industrial Maintenance II
- Industrial Maintenance III (optional)

For course descriptions, please see the WCPS Course Catalog @ <https://www.worcesterk12.com/>

STUDENT ORGANIZATION



CERTIFICATIONS

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

EARLY COLLEGE CREDIT PARTNERS

Anne Arundel, Baltimore and Montgomery Community Colleges