Construction and Development Cluster

Heating, Ventilation & Air Conditioning (HVAC) Program

PROGRAM OF STUDY OVERVIEW:
Virtually every home has some form of heating, ventilation, air conditioning and refrigeration system. This means plenty of work for the skilled technician! The HVAC Program of Study provides students with the opportunities to learn about the industry as it relates to residential building.

Heating, Ventilation & Air Conditioning (HVAC) Program

Students will learn:
- the operating principles of HVAC systems and basic copper, carbon steel, and plastic piping practices;
- air distribution systems and chimney’s vents and flues; and
- alternating current and cover transformers, and single-phase and three-phase power distribution.

<table>
<thead>
<tr>
<th>Entrance Grades</th>
<th>Foundations of Building and Construction Technology (CORE)</th>
<th>HVAC I</th>
<th>HVAC II</th>
<th>HVAC III (optional**)</th>
<th>Work Study (optional)</th>
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</thead>
<tbody>
<tr>
<td>10th Grade Entrance</td>
<td>1 Credit Double-blocked for One Quarter*</td>
<td>1 Credit Double-blocked for One Quarter*</td>
<td>2 Credits Double-blocked for One Semester</td>
<td>2 Credits Double-blocked for One Semester</td>
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<tr>
<td>11th Grade Entrance</td>
<td>Fall Sophomore</td>
<td>Spring Sophomore</td>
<td>**Spring Junior</td>
<td>Senior</td>
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<tr>
<td>12th Grade Entrance</td>
<td>Fall Junior</td>
<td>Spring Junior</td>
<td>**Spring Senior</td>
<td>Senior</td>
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</tbody>
</table>

*Students commit to completing CORE & HVAC I sequentially in a semester.

**By space available & teacher recommendation

IN THIS PROGRAM

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

COURSE SEQUENCE

- Foundations of Building and Construction Technology
- HVAC I (A)
- HVAC II (A)
- HVAC III (optional)

(A) articulates college credit

STUDENT ORGANIZATION

- NCCER Core: Intro Craft Skills
- NCCER HVAC Level I

CERTIFICATIONS

- NCCER Core: Intro Craft Skills
- NCCER HVAC Level I

EARLY COLLEGE CREDIT PARTNERS

- Delaware Technical Community College
- University of Northwestern Ohio
- Also Anne Arundel, Baltimore and Montgomery Community Colleges