

HVAC/R & PLUMBING

[HEATING, VENTILATION,
AIR CONDITIONING &
REFRIGERATION]



GO BEYOND the CLASSROOM

Our Heating, Ventilation, Air Conditioning and Refrigeration program teaches students how to plan, install, maintain, repair and troubleshoot residential and light commercial heating and cooling units. Students will be introduced to electrical, plumbing and pipefitting.

WHAT THIS CURRICULUM TEACHES

- Heating and cooling systems
- HVAC Refrigeration
- Fundamentals of sheet metal trade as it relates to ductwork
- Use and interpret construction drawings for material calculations and selection
- Fundamentals in plumbing technologies
- Introduction to the sheet metal trade, with components of ductwork
- Introduction to electrical systems

CERTIFICATIONS FOR QUALIFYING STUDENTS

- North American Technician Excellence HVAC Support Technician
- Environmental Protection Agency (EPA) Refrigerant Recovery Core + Level 1 [Small Appliances]
- Environmental Protection Agency (EPA) Refrigerant Recovery Core + Level 2 [High Pressure]
- Environmental Protection Agency (EPA) Refrigerant Recovery Core + Level 3 [Low Pressure]
- Environmental Protection Agency (EPA) Refrigerant Recovery Universal
- NCCER Level 1 Electrical
- NCCER Level 1 Plumbing
- OSHA-10

BEGIN THE PATHWAY FOR IN-DEMAND RESIDENTIAL AND COMMERCIAL CAREERS

CAREER OUTLOOK FOR THE HVAC/R & RELATED FIELDS

- Beginning median salary of \$48,940 or \$23.53 per hour as an HVAC/R Mechanic and Installer.
- With additional training students can prepare to pursue a career in Plumbing with a median salary of \$58,860 or \$28.19 per hour.
- Projected job growth through 2028 is 13% in Ohio and 5% nationwide in both HVAC/R & plumbing fields.
- Direct pathway into the workforce, Apprenticeships are preferred in some fields, however technical training and education are required
- Must-haves for this career path include: Attention to Detail, Analytical Thinking, Dependability, Independence and Initiative

CAREER PATHWAYS

This is the program for you if you want to work as a/an:

- A/C Tech (Air Conditioning Technician)
- HVAC Installer
- HVAC Mechanic
- HVAC Specialist
- Refrigeration Mechanic
- Refrigeration Technician
- Service Technician
- Systems Mechanic

With further education or training you can become a:

- Maintenance Technician/Mechanic
- HVAC Technician
- Building Manager
- Safety & Maintenance Coordinator
- Electrical or Plumbing Apprentice

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Ashland County-West Holmes
**CAREER
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