

# Heating, Ventilation, Air Conditioning & Refrigeration

Brick Center

2 Year Program

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**I**n this program, first year students will be enrolled in HVAC/R 1 Mechanical Services Technology. The students will learn practical hands on training and operating theory of today's Heating, Air Conditioning and Refrigeration systems. Basic plumbing systems will also be discussed. Second year students will take HVAC/Refrigeration and will learn how to install, service, and repair heating, air conditioning, and refrigeration equipment used in both residential and commercial buildings.

## Related Job Titles

Air Conditioning Installer/Service Technician  
Furnace Installer  
Refrigeration Technician

## Skills You Will Learn

*Basic theory and operation of:*

- Mechanical and electrical components
- Standard and high efficiency air conditioning
- Gas heat, oil heat and heat pumps
- Commercial refrigeration

*How to install, repair and maintain:*

- Heating
- Air conditioning
- Commercial refrigeration equipment

## Preferred Skills for Career Field:

*You should be able to:*

- Work with machines and tools
- Multitask
- Read and understand technical manuals and blueprints
- Work with limited supervision
- Use logical, step-by-step procedures
- Follow directions
- Bend, stoop, climb and crawl
- Work in confined spaces

## Career Ladder

Most entrants in this career begin as apprentices until they have enough experience to become journeymen or become self-employed.

## Continuing Education

Ocean County Vocational Technical School  
Apprenticeship Program  
Mercer County College  
Lincoln Technical Institute  
Pennco Technical Institute  
University of Northwestern Ohio

***\*The Environmental Protection Agency Refrigerant Certification Exam is given upon completion of this program.\****

**Upon successful completion of this two-year program, students will receive advanced standing in the OCVTS Apprenticeship program. An articulation agreement is in place with the University of Northwestern Ohio, enabling qualified students to receive up to 6 college credits.**