

Heating, Ventilation, Air Conditioning & Refrigeration

Brick Center

2 Year Program

Mr. Robert Doherty

These mechanics install, service and repair heating, air conditioning and refrigeration equipment for both home and commercial use. Many specialize in one phase of the work such as home air conditioning. They may further specialize in one type of equipment, such as oil burners. However, more and more technicians do both installation and service, especially those who are self employed.

Related Job Titles

Air Conditioning Installer/Service Person
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

Worker Requirements

You should prefer:

- Working with machines and tools
- Working at many different tasks

You should be able to:

- Read and understand technical manuals and blueprints
- Work with limited supervision
- Use logical, step-by-step procedures
- Follow direction

Physically you must:

- Lift heavy objects
- Bend, stoop, climb and crawl
- Have normal vision, including color vision

Career Ladder

Most entrants in this career begin as helpers until they have enough experience to become supervisors or become self employed.

Continuing Education

Ocean County Vocational Technical School
Apprenticeship Program

Mercer County College
Lincoln Technical Institute
Pennco Technical Institute

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

Additional Information

Refrigeration Service Engineers Society
1666 Rand Road
Des Plaines, IL 60016-3552

Air Conditioning and Refrigeration Institute
1501 Wilson Boulevard
Arlington, VA 22209

Associated Builders and Contractors
729 15th Street, NW
Washington, DC 20005

Upon successful completion of this two-year program, students will receive advanced standing in the OCVTS Apprenticeship program.