



HVAC Technician



What They Do

An HVAC (heating, ventilation and air conditioning) Technician is concerned with the temperature control (heating and cooling) and the air quality (ventilation) in industrial, commercial, and residential buildings. A technician is a certified and licensed professional that works with HVAC systems.

Job Duties

- Study a wide variety of blueprints and other specifications
- Lay out, design, and install low voltage electrical wiring
- Assembling, positioning, mounting, and installing HVAC equipment
- Performing regular maintenance on HCVAC systems such as changing filters, cleaning ducts, or refilling refrigerants
- Use a wide variety of tools in the installation and maintenance of HVAC systems
- Repairing or replacing defective equipment or parts
- Testing pipe or tubing joints or connections for leaks
- Perform after-hour calls as required
- Assemble and install ductwork that distributes air

Job Earnings

The average starting salary for an entry level HVAC Technician in the state of New York is \$39,070. The average median salary for a Technician is \$58,060. The average salary for a Technician with experience is \$71,950

Education/Training

There are no license or education requirements in New York State to become an HVAC Technician. However, some cities have licensing requirements.

- 13% of Technicians have only their high school diploma or equivalent
- 16% of Technicians have an associate's degree
- 55% of Technicians have a post-secondary certificate

Job Outlook

In the United States, the job market for HVAC Technicians is expected to grow by 15% between 2016 and 2026. In New York alone, there is expected to be 2,700 new job openings for HVAC Technicians between 2016 and 2026, making New York the fifth highest state in terms of number of new openings.

Career Title - Career Pathway

Ways to start preparing for you future career TODAY!

1

Middle/High School Classes to Take:

- Shop courses in plumbing, basic electronics, and electrical work
- DDP
- Algebra
- Geometry
- Applied physics
- Blueprint reading

2

Clubs/Extracurricular Activities:

- Camp hard hat
- Skills USA

3

Local BOCES/Career & Technical Education Programs:

- Genesee Valley BOCES
 - Building Trades (Batavia and Mt. Morris)
 - Electro-Mechanical Trades (Batavia)
- Monroe2BOCES
 - HVAC/Plumbing
- Orleans Niagara BOCES
 - Building Trades (Orleans)
 - HVAC (Niagara)
 - Electricity/Electronics

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Volunteer Opportunities:

- Habitat for Humanity of Genesee County
- United Way of Genesee County
- Habitat for Humanity of Livingston County
- United Way of Orleans County
- Orleans County Cornell Cooperative Extension
- Habitat for Humanity of Wyoming County

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Local Colleges/Training:

- Erie CC HVAC
- SUNY Alfred HVAC
- Genesee CC, The BEST Center HVAC
- Monroe CC HVAC
- Isaac Training and Education Center