

NORTH MONTCO TECHNICAL CAREER CENTER

HEATING, VENTILATION AND AIR CONDITIONING (HVAC)

The heating, ventilation, air conditioning (HVAC) industry has become an increasingly important part of our environment. Indoor environmental air quality is essential in residential, commercial and industrial applications. Many technological advances could not be accomplished without the HVAC specialist. The HVAC program consists of basic to advanced instruction in both the installation and servicing of residential systems.

What you will learn:

- Installation and servicing of residential HVAC systems
- Oil and gas heating (furnaces/boilers)
- Air conditioning and heat pumps
- Electrical principles
- Plumbing (trade related)
- Basic refrigeration systems
- Blue print reading

Physical criteria:

- Manual dexterity
- Heavy lifting/carrying
- Strong eye/hand coordination
- Physical stamina/strength
- Pushing/pulling

Class of 2011 graduation plans:

- 25% plan to continue their education in this field
- 25% found employment in this field
- 25% plan to continue their education in another field
- 25% found employment in another field

Uniform/equipment list

(With approximate costs)

- Safety glasses (\$5)
- Navy blue work pants (\$17)
- 20' Tape measure (\$10)
- Solar powered calculator (\$5)
- Leather shoes or work boots (\$40)
- Navy blue work shirt (\$24)
- 1 ½" white binder, dividers, sheet protectors (\$10)
- Digital multimeter (2nd year) (\$120)
- Portfolio binder, divider, sheet protectors, indexes (\$5)

Certifications students can earn:

- Section 608 Refrigerant/Recovery
- National Oilheat Research Alliance (Bronze)
- Gastite & Trac Gaspipe
- General Industry Safety (OSHA)
- HVAC Excellence Certifications

POTENTIAL CAREER OPPORTUNITIES

Career Opportunities:

Oil Heating Service Technician
Gas Heating Service Technician
Plumber/Pipe Fitter Technician
Residential Heating/Cooling Technician
Installation/Service Technician
Air Conditioning/Heat Pump Technician
Building Trades Journeyman Steamfitter
HVAC Service Journeyman

With Post-Secondary Education

HVAC Specialist
Air Conditioning and Heating Engineer
Estimator
Factory Service Representative
Energy Management Control Engineer
Mechanical Engineer
Building Automation Engineer

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