

**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. North Montco Technical Career Center's HVAC program has been granted accreditation by HVAC Excellence. As an accredited program, students who complete the HVAC program at North Montco Technical Career Center can now be fast tracked to higher entry level positions with some of North America's premier contractors.

What you will learn:

- Installation and servicing of residential HVAC systems
- Oil and gas heating (install/servicing)
- Air conditioning and heat pumps
- Electrical principles
- Basic plumbing skills
- Basic refrigeration systems

Physical criteria:

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

Class of 2018 graduation plans:

- 60% will be working in this field
- 10% plan to continue their education in this field
- 30% plan to join the military

Uniform/equipment list

(With approximate costs)

- Safety glasses (\$5)
- Navy blue work pants (\$17)
- 25' Tape measure (\$10)
- Solar powered calculator (\$5)
- Leather shoes or work boots (\$40)
- Navy blue work shirt (\$24)
- 2" white binder, dividers, sheet protectors (\$10)
- Digital multimeter (2nd year) (\$50)
- Basic tool belt with misc. tools (\$100)
- Activity fee (\$20)

Certifications students can earn:

- Section 608 Refrigerant/Recovery
- General Industry Safety (OSHA) 10 hour
- HVAC Excellence Certifications
- Refrigerant Mechanic
- Gastite and Trac Gaspipe
- National Oilheat Research Alliance (Bronze)

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
Refrigeration Mechanic

With Post-Secondary Education

HVAC Specialist
Air Conditioning and Heating Engineer
Factory Service Representative
Energy Management Control Engineer

**North Montco Technical Career Center
1265 Sumneytown Pike, Lansdale, PA 19446
215-368-1177 • www.nmtcc.org**

Northern Montgomery County Technical Career Center does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities and provides equal access to youth groups. Inquiries may be directed to the Administrative Director-the Title IX Coordinator/Section 504/ADA Title II Coordinator at 1265 Sumneytown Pike, Lansdale, PA 19446.