

Janine Tirone, Professional Photography Program

Fire & Ice!

Businesses, industries and homes all use the services of HVAC technicians. Train for any one of 17 career paths including cooling and heating, control systems and more. You will have an opportunity to earn national licensing and certification in refrigerant handling from the EPA as well as gas and oil heat servicing certifications from NATE and NORA. Students who qualify may participate in factory-sponsored training by a major HVAC local supplier. Qualifying students may also receive reduced tuition rates and 300 hours of training at a local college.

Advanced college/trade school credit is available to qualifying students from the following institutions:



COURSE TITLE: **HEATING, VENTILATION AND AIR CONDITIONING (HVAC)**

COURSE DESCRIPTION

Our program includes the installation, service and repair of air conditioning, cooling, heat pump systems and electrical theory and service. An integral part of this program involves green technologies including geothermal and solar hot water heating, indoor air quality and HEPA filtration, as well as air sealing techniques. Students are prepared to take the EPA Certification Test for the handling of refrigerants.

Students will take the OSHA-10 course in their first year of study with the goal of obtaining the OSHA-10 card. Second-year students will take the OSHA-30 course as well.

COURSE CONTENT

Residential Air Conditioning	Electrical Theory
Marketing	Indoor Air Quality
Cooling and Heat Pump Systems	Freezers and Freezing Systems
Controls, Circuits and Instruments	Service Procedures and Troubleshooting
Efficiency Rating	Air and Duct Sealing
Commercial Refrigeration	Alternative Energy
Ice Machines	Energy Efficiency
Air Conditioning Systems	

EDUCATIONAL OPPORTUNITIES

Advanced College Standing
Two Year Technical College
Associate Degree or Certificate

CAREER OPPORTUNITIES

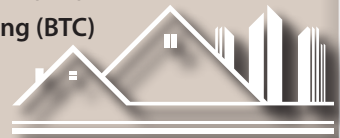
Service Technician	Heating and Air Conditioning
Service Manager	Mechanic/Installer
Installer's Helper	Manufacturer's Representative
Parts Manager	Salesperson
Small Business Owner/Operator	Labor Union Apprentice
Air Quality Control Specialist	

SUGGESTED SUPPORTIVE COURSES

Algebra, Science

Architecture and Construction

- Heating, Ventilation and Air Conditioning (HVAC) (BTC, MTC, WTC)
- Introduction to HVAC (ICC)
- Carpentry, Residential Construction and Home Improvement (BTC)
- Facilities Maintenance (ICC)
- Plumbing and Heating (BTC)
- Electrical Trade and Alternative Energy (BTC, MTC, WTC)
- Carpentry (ICC, WTC, Southampton HS)
- Carpentry Exploration (IAC)



ADDITIONAL INFORMATION

COSTS	Tools and equipment approximately \$300
LENGTH OF COURSE.....	1 or 2 years
LOCATIONS	Gary D. Bixhorn Technical Center Edward J. Milliken Technical Center Harry B. Ward Technical Center
CTE/ACADEMIC CREDIT	Please see chart on pages 4 and 5 for updated details
INDUSTRY CERTIFICATION	Environmental Protection Agency (EPA) Clean Air Section 608 Certification National Oil Heat Research Alliance (NORA), North American Technical Excellence (NATE®), OSHA-10, OSHA-30

Quote from program graduate –

"I learned a trade that could help me secure a well-paying job in the future."

