Businesses, industries and homes all use the services of HVAC technicians. Train for many different career paths including cooling and heating, control systems and more. If eligible, 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.
COURSE TITLE: INTRODUCTION TO 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 hot water heating, indoor air quality and HEPA filtration, as well as air sealing techniques. Students may qualify to take the EPA Certification test for the handling of refrigerants.

COURSE CONTENT
Residential Air Conditioning
Marketing
Cooling and Heat Pump Systems
Controls, Circuits and Instruments
Efficiency Rating
Commercial Refrigeration
Ice Machines
Air Conditioning Systems

Electrical Theory
Indoor Air Quality
Freezers and Freezing Systems
Service Procedures and Troubleshooting
Air and Duct Sealing
Alternative Energy
Energy Efficiency

CAREER OPPORTUNITIES
Service Technician
Service Manager
Installer’s Helper
Parts Manager
Small Business Owner/Operator

Air Quality Control Specialist
Heating and Air Conditioning Mechanic/Installer
Manufacturer’s Representative
Salesperson
Labor Union Apprentice

LOCATION
Islip Career Center

Quote from program graduate –
“It was really good and I highly recommend it.”

Architecture and Construction
- Heating, Ventilation and Air Conditioning (HVAC) (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)
- Carpentry (ICC, WTC, Southampton HS)
- Carpentry Exploration (IAC)