



# Heating/Ventilation/AC/Plumbing

Accredited Training & Education Facility - National Center for Construction & Education Research



HVAC/PLUMBING develops skills and knowledge of servicing and repairing refrigeration, air-conditioning, heating and ventilation systems for home, business and industry. In addition, students will be provided with a review of plumbing basics including piping for kitchens and bathrooms.

## Work Environment

Individuals in this trade work both indoors and outdoors, independently and in groups. Initiative and independence are required to install, maintain and repair plumbing and environmental control equipment.

## Career Opportunities

Assembler of Components  
EPA Certification  
Factory Representative  
Oil burner Repairperson  
Parts Salesperson  
Refrigeration, A/C and Heating Unit Repairperson  
Research and Development  
Sheet Metal Worker  
Systems Design/Layout

## Advanced Standing Available\*

Alfred State College  
Electrical Training Center of L.I.  
Five Towns College  
Lincoln Technical Institute  
New England Institute of Technology  
Pennsylvania College of Technology  
SUNY Canton  
SUNY Delhi

\*College credits may be earned by meeting the criteria of articulation agreements (see listing in Handbook) Tech has established with SELECT colleges. In addition, check directly with the post-secondary institutions for any additional credits they may offer.

## Academic Credits integrated:

Tech Math, Tech Phys Sci, Eng 12, CFM, Comp App

## CTE Endorsement

Students must successfully meet the academic and attendance criteria for a two-year Wilson Tech Certificate of Completion, be High School diploma eligible, and pass the following exam: National Center for Construction and Education Research (NCCER) - HVAC Exam.

## Student Supplies

Additional supplies will need to be purchased for this program.

## Average Annual Wage

Salaries are subject to market fluctuations.

For the most current updates on local & national wages go to job search engines on the internet and [www.careerzone.ny.gov](http://www.careerzone.ny.gov)

## Course Outline

- Basic Electrical Theory
- Heating and Ventilation
- Refrigeration and Air-Conditioning
- Sheet Metal
- OSHA
- Troubleshooting/Diagnosis
- System and Unit Repair
- Clean Air Requirements
- Plumbing