CAREER & TECHNICAL EDUCATION

Heating, Ventilation and Air Conditioning

The Franklin-Essex-Hamilton BOCES offers the following Career & Technical Education Courses :

21st Century Agriculture

Auto Technology

Building Trades

Cosmetology

Culinary Arts/Commercial Foods

Early Childhood Education

Electrical Trades

Health Occupations

Heating, Ventilation and Air Conditioning

Heavy Equipment

Natural Resource Science

New Vision Government and Law

New Vision Health Careers

Franklin-Essex-Hamilton BOCES
P.O. Box 28, 23 Huskie Lane
Malone, New York 12953
Phone: (518) 483-6420
Fax: (518) 483-2178
www.fehb.org

Career & Technical Education

Heating, Ventilation and Air Conditioning

COMPLIANCE STATEMENT

The Franklin-Essex-Hamilton BOCES advises students, parents, employees and the general public that it offers employment and educational opportunities without regard to race, creed, color, national origin, age, marital status, disability or sex.

Inquiries or complaints alleging discrimination based on race, creed, color, national origin, age, marital status, disability or sex should be directed to Leslie A. LaRose, Compliance Officer, P.O. Box 28, 23 Huskie Lane, Malone, NY 12953, Phone 518-483-6420.

BOARD OF COOPERATIVE EDUCATIONAL SERVICES
SOLE SUPERVISORY DISTRICT
FRANKLIN-ESSEX-HAMILTON COUNTIES

Career & Technical Education

Satellite Program Located at
Salmon River Central School

Heating, Ventilation and Air Conditioning

BOCES
Franklin - Essex - Hamilton Counties

"Lighting the Way to the Future"

2010-11 Career & Technical Education

H V A C

Students who enter the HVAC program will be exposed to entry level skills in heating ventilation and air conditioning. The entire offering will encompass two years of study.

The first year focuses on safety, tools, blue print reading, pipefitting and piping practices, soldering and brazing, sheet metal and duct fabrication, design and installation of heating and cooling systems, gas and oil furnaces and burners, boilers and radiant-in-floor heating systems, basic electricity, control circuits, customer relations, employability and job seeking skills.

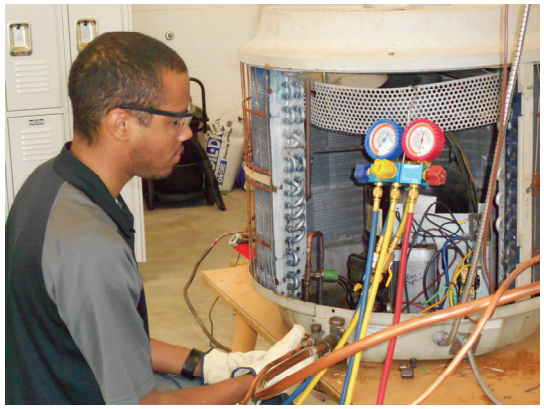
The second year will focus on refrigeration systems, air conditioning systems, motors, motor controls, electromagnetic controls, plumbing tools, water distribution systems, plumbing drainage and venting, fixtures and faucets, commercial plumbing, and blueprint reading.

In 2012, 63% of all FEH BOCES Completers went on to some postsecondary education or training.

HVAC students can apply to receive articulation credit at the following institutions:

SUNY Delhi
University of
Northwestern Ohio

CAREER OPPORTUNITIES INCLUDE



Plumber

Pipe Fitter

Sprinkler Installer

Plant Maintenance Worker

Supply Salesperson

HVAC.R Technician

Oil Burner & Heating Mechanic

Contractor

Business Entrepreneur

Engineering Laboratory Technician

Mechanical Engineer

UNITS OF STUDY INCLUDE

First Year:

- Safety
- Tools
- Blueprint Reading
- Pipefitting and Piping Practices
- Soldering and Brazing
- Sheet Metal and Duct Fabrication
- Theory of Heat
- Electricity
- Heat and Humidification
- Refrigeration Process
- Plumbing
- Career Planning

Second Year:

- Safety
- Theory of Heat
- Electricity
- Electric Motors
- Domestic Appliances
- Air Conditioning (Cooling)
- Refrigeration Management
- Plumbing Tools, Drainage and Venting
- Fixtures and Faucets
- Water Distribution Systems
- Career Planning

REGISTRATION INFORMATION

For information regarding the above program, please call

North Franklin Educational Center
(518) 483-5230