

CAREER & TECHNICAL EDUCATION

Welding Technology

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

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www.fehb.org



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COMPLIANCE STATEMENT

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

Inquires or complaints alleging discrimination based on race, creed, color, national origin, age, marital status, disability, or sex should be directed to Lesile A. LaRose, Compliance Of-

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

Career & Technical Education

Satellite Program Located at
Salmon River Central School

**WELDING
TECHNOLOGY**



"Lighting the Way to the Future"

Career & Technical Education

WELDING TECHNOLOGY

Students entering the Welding Technology Program will be eligible for multiple certifications; encompassing two years of study.

The first year focuses on safety, surface preparation, tool usage, blueprint reading, metallurgy, oxy fuel gas welding, employability skills, plasma arc cutting, gas tungsten arc welding, gas metal arc welding, shielded metal arc welding, flux core arc welding, metal fabrication, artistic design, budgeting, and personal professional development.

The second year of study will prepare students through hands-on fieldwork through an integrated advanced curriculum for several certifications in the field of Welding Technology and Metalworking.

POTENTIAL EMPLOYERS:

Jeffords Steel, ALCOA, NYSDOT, Union Local 440 Iron Workers, IBEW Local 2032, NYS Power Authority, and more

CONTINUED EDUCATION PROGRAMS:

Mohawk Valley Community College
SUNY Canton
SUNY Morrisonville
North Country Community College

CAREER OPPORTUNITIES INCLUDE:



Iron Worker Apprentice
Maintenance Welder
General Welder
Structural Welder
Machine Operator
Welder/Fabricator
General Machinist
Pipe Fitter
Production Worker



UNITS OF STUDY INCLUDE:

- Welding Safety
- SMAW (Shielded Metal Arc Welding)
- Oxy-fuel Cutting and Welding
- GMAW (Gas Metal Arc Welding)
- GTAW (Gas Tungsten Arc)
- Plasma Arc Cutting
- Air Carbon Arc Cutting
- Data Collection
- Blueprint Reading and Interpretation
- Tape Measurement

CERTIFICATIONS:

- American Welding Society
- New York State Department of Transportation (NYSDOT)/Bridge/Structural Welder
- Occupational Safety and Health
- Administration (OSHA) 10-Hour Safety Card
- National Center for Construction Education and Research (NCCER) Entry Level Welder

REGISTRATION INFORMATION:

Mary Jo Dickerson, Principal
North Franklin Educational Center
(518) 483-5230