



## Construction Trades

2-Year Program

Mineville Campus

This technical training program uses a hands-on approach to gaining marketable skills in the general industry of construction. Utilizing tools and materials found in the trade, students will learn about carpentry, electrical, masonry, and plumbing. Emphasis is on the framing of a house using a “whole house” performance-based approach, utilizing the most up-to-date practices in regard to health, safety and a green tomorrow. Curriculum components include new green energy building and testing standards. The knowledge and skills learned will enable the student to gain employment and advance quickly in the construction industry at the same time.



## Program Highlights

- Hands-on Skills
- Carpentry
- Masonry
- Electrical
- Heavy Equipment Operation
- Plumbing
- Trade Focus
- Worked Based Learning Experience
- Professional Portfolio
- Business Plan

## Career Connections

- Contractor
- Lumber Mill Worker
- Union Apprentice
- Laborer
- Carpenter
- Framer
- Roofer
- Journeyman
- Building Analyst

## Articulation Agreements

- Clinton Community College
- SUNY Alfred
- SUNY Delhi

## Certifications

- OSHA-10: Construction
- First Aid/CPR
- NWRC/21st Century Skills

## Course of Study

### Residential Carpentry

- Blueprint reading
- Floor, Wall & Roof Frame Construction
- Floor, Wall and Roof Frame Layout
- Power tool use
- Roofing
- Siding
- Door and Window installation
- Finish and Trim work
- Cabinetry

### Plumbing

- Blueprint reading
- Water service installation
- Appliance installation
- Supply line feed and branch systems
- Hydronic heating
- PEX, PVC, ABS, CPVC, PE, Copper usage and sizing
- DWV installation
- Solvent Welds
- Soldering

### Residential Electrical Construction

- Blueprint reading
- Electrical Theory
- Safety
- Service installation
- Rough in
- Trim Out
- Photovoltaic installation

### Masonry

- Blueprint reading
- Foundation layout
- Footers and Forms
- Flat and vertical cement walls
- Brick and Block work

### Certificates

- First Aid and CPR
- 10 hour OSHA

### On-site Solar PV Lab

- Train & prepare PV installation
- Accreditation