

In the **Construction Building Trades** Program, the students will learn everything from foundation forming to interior finish. The program includes masonry, which enhances an understanding of form work and structural design. Students get hands-on experience in all phases of the construction industry by planning, developing and building an actual structure.



Program Content...

POWER TOOLS & EQUIPMENT:

- Portable Circular Saw/Band Saw
- Delta Trim Saw & Routers
- Radial Arm Saw & Table Saw
- Power Miter Box & Jointer
- Portable & Stationary Power Plane
- Compressed Air Nailer

INTERIOR & FINISH WORK:

- Cabinet Making
- Spray/Brush/Wipe Finishing
- Drywall
- Counter Tops
- Floor & Ceiling Finishes
- Basic Residential Electricity
- Basic Plumbing

FRAMING & FOUNDATION:

- Deck Framing
- Wall Framing
- Roof Framing/Rafter Construction
- Masonry/Estimating

CONSTRUCTION MATERIALS & METHODS:

- House Framing Techniques & Materials
- Basic Drafting Methods
- Reading/Interpreting Blueprints
- Materials List & Cost Estimation
- Computerized Home Architect Program

HOME REPAIR:

- Patching Tile & Sheetrock
- Cutting Glass

RESUME WRITING:

- Format & Develop Student Resume
- Notebook and Portfolio Update

Current & Past Job Site Projects...

- Concession Stand, Pop Warner Fields—City of Auburn
- Parish Center, St. Nicholas Orthodox Church—Auburn
- Public Library—Community of Weedsport
- Gazebo—Community of Moravia
- Gazebo—Community of Auburn
- Methodist Church—Community of Weedsport
- Homesite—Port Byron
- Homesite—City of Auburn
- Homesite—Community of Owasco
- Homesite—Community of Scipio
- Homesite—Community of Fleming

The off campus building project (Residential Home or Community Service Project) will provide the students with an apprenticeship training experience. The students work under the supervision of the class instructors and will come in contact with the people involved in the project, including, but not limited to: Heavy Equipment Repair & Operation Program, Residential & Industrial Electricity Program, Plumbers, Heating Contractors, Building Inspectors, Architects, etc. The project will last until the end of the school year.

Benefits...

- *OSHA 10-Hour Safety Card*
- *NCCER Certification*
(National Center for Construction Education Certification Program)
- *Articulation Agreements/College Credit*
 - SUNY Alfred State
 - Pennsylvania College of Technology
 - Cayuga Online—Cayuga Community College
- *Completed Career Portfolio*
- *Integrated Math Credit*

Portfolio...

All second year students will complete a **Career and Technical Education Portfolio** that exhibits necessary elements for CTE Endorsement and demonstrates competencies in **Construction Building Trades**.

No student shall on the basis of gender, race, color, national origin, disability or age, be excluded from participation in, be denied the benefits of or otherwise be subjected to unlawful discrimination under any career and technical program or activity.

Construction & Building Trades could lead to careers in...

- **Construction Laborer**
- **Flooring/Window Installer**
- **Insulator**
- **Estimator**
- **Drywall Contractor**
- **Framing Carpenter**
- **Draftsperson**
- **Roofing/Siding contractor**

Careers with additional training and education...

- **Self-employed Contractor**
- **Building Inspector**
- **Instructor**

Equipment Requirements...

- Tape Measure
- Hammer
- Hammer Hook
- Inexpensive Nail Apron
- Pencil
- Retractable Utility Knife
- Combination Square
- Textbook (Provided by BOCES)
- Loose Leaf Style Notebook (Provided by BOCES to keep notes, handouts & worksheets)

Proper Work Clothes...

- Jeans or Work Pants like Dickies
- Work Shoes or Boots are mandatory (NO Sneakers)
- Safety Glasses (provided by BOCES)
- Hard Hat (provided by BOCES)
- Work Gloves (optional, but strongly suggested)

For more information, contact ...

Your High School Guidance Office or The Guidance Office at the BOCES

Cayuga-Onondaga BOCES
1879 W. Genesee Street Road
Auburn, NY 13021
315.253.0361
www.caybores.org

Students enrolling in this Program will be responsible for the cost of protective clothing and materials.