



# Building Trades

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## PROGRAM SUMMARY

- Develop, design and construct various structures using 21st century tools and technology.
- Gain skills and certificates that allow you to be employed anywhere in North America.
- Develop skills necessary to use and operate the same tools a master carpenter would use.
- Experience and manage real life construction projects.
- Discover a variety of careers in the building trades to help make smarter career decisions for your future.

## COLLEGE CREDIT CONNECTIONS

- Alfred State College
- Erie Community College
- Morrisville State College

## SPECIAL NOTES

- Students are responsible for purchasing work boots and basic hand tools (tool pouch, hammer, tape measure, etc.).

## PROGRAM ELIGIBILITY

- Technical Endorsement
- CDOS Credential or Pathway (After 2 Years)
- 3.75 Credits per Year

## CAREER PATHS

### PROFESSIONAL CAREERS

Project Manager in Construction  
Engineer  
Company Owner  
Architect  
Building Inspector  
Foreman / Superintendent

### TECHNICAL CAREERS

Home Energy Auditor  
Home Inspector  
Drafter  
Heavy Equipment Operator  
Carpenter  
Surveyor  
Mason

### ENTRY LEVEL CAREERS

Construction Laborer  
Union Apprentice  
Flooring Installer  
Drywall Installation  
Roofer / Sider  
Painter

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## CONSTRUCTION SAFETY

- OSHA Compliance
- OSHA 10 Certification
- Ladder, Scaffold Safety
- Safe Tool Use
- Jobsite Safety

## HAND AND POWER TOOLS

- Proper Use
- Repair and Maintenance
- Safe Handling and Storage

## ROUGH CARPENTRY

- Frame Floors and Walls
- Cut Roof Rafters
- Learn Different Home Building Techniques

## ELECTRICAL AND PLUMBING

- Gain Knowledge and Understanding of Different Careers
- Learn Basic Skills for Future Projects and Applications

## FINISH CARPENTRY

- Learn Finishing Skills Such as Trim, Flooring, Drywall and Fine Woodworking

## COMMON STRUCTURES

- Estimating
- Print Reading
- Energy Efficiency
- Interior and Exterior Finishes