



NH Department of Education

Bureau of Career Development

Title: Construction Trades, General

CIP#: 46.000

Definition: A program that generally prepares individuals to apply technical knowledge and skills in the building, inspecting, and maintaining of structures and related properties. May include instruction in masonry, carpentry, electrical and power transmission installation, building/construction finishing, management, inspection and other construction-related applications.

Potential pathway focuses beyond general construction:

- Carpentry
- Plumbing
- Masonry
- Concrete
- Inspector
- Architecture
- Electrical
- Heavy Equipment Operation
- Safety
- General Contracting

Careers

Students in Construction learn and practice skills that prepare them for diverse post-high school employment and training opportunities, from apprenticeships and two-year college programs, to four-year college and graduate programs.

CTE classes in this cluster will introduce you to a variety of interesting careers areas including:

- Residential Carpenter
- Commercial Carpenter
- Industrial Carpenter
- Rough Carpenter
- Finish Carpenter
- Apprentice Carpenter
- Cabinet Maker
- Beam Builder
- Counter Installer
- Wood Stair Builder
- Wood Floor Installer
- Residential Plumber
- Commercial Plumber
- Apprentice Plumber
- Sanitary Plumber
- Water Supply Plumber
- Gas Technician
- Steamfitters
- Pipefitters
- Pipe Layers
- Service Plumber
- OSHA Inspector
- Site Safety Officer
- Site Safety Specialist
- Building Inspector
- Bricklayer
- Brick Mason
- Apprentice Mason
- Chimney Builder
- Block Mason

- Cement Mason
- Cement Finisher
- Concrete Finisher
- Concrete Floor Installer
- Concrete Paver Installer
- Curbstone Setter
- Furnace Mason
- Granite Setter
- Architect
- Landscape Architect
- Urban Planner
- Surveyor
- Commercial Design
- Residential Design
- Green Building Design
- Restoration Architect
- Apprentice Electrician
- Commercial Electrician
- Residential Electrician
- Master Electrician
- Outside Lineman
- Renewable Energy Specialist
- Angle dozer Operator
- Asphalt Paving Machine Operator
- Operator
- Bulldozer Operator
- Concrete Paving Operator
- Diesel Pile Hammer Operator
- Ditching Machine Engineer
- Grade Operator
- Hydraulic Pile Hammer Operator
- Motor Grader Operator
- Pile Driver Operator
- Road Grader
- Screed Operator
- Steam Shovel Engineer
- Surfacing Equipment Operator
- Vibratory Pile driver
- Project Manager
- Superintendent
- Construction Manager
- Facilities Manager
- Project Superintendent
- Field Engineer
- Drywall Hanger
- Drywall applicator
- Drywall Finisher
- Drywall Sander
- Ceiling Tile installer
- Acoustical Ceiling Installer
- Sales Representative
- Construction Estimator

Note: Each School and school district has different CTE options. Not every district has classes in every construction pathway, nor does every district offer CTE Dual Credit and Advanced Placement options.

Common Competencies:

- Use correct terminology, vocabulary and appropriate language to communicate effectively in the workplace.
- Select and safely use appropriate tools, supplies, and equipment for a specific task or set of tasks.
- Employ effective time and project management strategies to complete work efficiently and proficiently.
- Apply math concepts, including measurement, operations, and higher mathematics to relevant applications and specific tasks.
- Demonstrate awareness strategies to safely work in a variety of workspaces and locations.

Pathway Competencies:

Upon completion of the general construction pathway, students will achieve competency in four areas.

Each student will:

- Describe various types of construction documents, including their fundamental components and features and use construction drawings to determine location, placement, size, and specifications of elements of a construction project
- Apply techniques and strategies used to best demonstrate the relationships between the overall composition and individual components of a construction project, and explain how each component functions.
- Explain the fasteners, anchors and adhesives used in construction work and demonstrate their uses in various construction occupations.
- Demonstrate personal growth and community leadership by developing a career plan outlining opportunities in the construction career pathway.