

THE CONSTRUCTION TECHNOLOGY MAP

Occupational Safety & Fundamentals

- Construction Safety
- Construction Math Concepts
- Basic Hand and Power Tools
- Basic Blueprints
- Basic Rigging
- Intro to Career's in Construction

Introduction to Construction

- History & Traditions of Four Craft Areas (carpentry, masonry, plumbing, & electrical)
- Basic Hand & Power Tools Specific to Each Trade
- Differentiation Between Blueprints for Each Craft Area

- CARPENTRY I
 - Safety
 - Tools and Equipment
 - Materials, Handling & Storage
 - Floors & Walls
 - Drawings & Estimate
 - Cement & Concrete Products
 - Site Layout
- CARPENTRY II
 - Roof Systems
 - Windows, Doors, Stairs
 - Exterior Finishes

- MASONRY I
 - Safety
 - Tools & Equipment
 - Materials, Handling & Storage
 - Drawings & Estimate
- MASONRY II
 - Install Block & Brick
 - Concrete Flatwork

- ELECTRICAL I
 - Safety
 - Tools and Equipment
 - Materials Handling & Storage
 - Drawings and Estimate
 - Circuitry (Raceways, Boxes, & Conduit)
- ELECTRICAL II
 - Basics in NEC, NEMA, NFPA, & UL
 - Conductor Installation to Code
 - Installation of Fixtures
 - Relationship of Voltage, Current, and Resistance

- PLUMBING I
 - Safety
 - Tools & Equipment
 - Materials Handling & Storage
 - Drawings & Estimate
- PLUMBING II
 - DWV Systems
 - Water Distribution
 - Installation of Fixtures
 - Plumbing Codes