

Carpentry Competency Profile



STUDENT INTRODUCED TO THE BASIC CONCEPT OF CARPENTRY PROCEDURES

- Introduced to basic carpentry procedures
- Follows established procedures for the use and care of personal protective equipment
- Demonstrates the ability to follow safety rules and procedures in lab
- Identifies the outcome and significance of unsafe practices in the workplace
- Demonstrates the correct use of safety and fire equipment
- Follows established procedures for the handling and disposal of hazardous materials
- Performs basic cutting, shaping, and fastening operations

STUDENT INTRODUCED TO THE BASIC CONCEPT OF LAYOUT WORK

- Introduced to the concept of layout work
- Interprets construction drawings
- Demonstrates correct use of instruments and tools for layout work
- Demonstrates method used in locating established property lines
- Installs batter boards
- Squares building corners
- Sets/transfers grades

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF FOOTING AND FOUNDATION WALLS

- Introduced to the concept of footing and foundation walls
- Constructs foundations and footing forms

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF FLOOR FRAMING

- Introduced to the basic concept of floor framing
- Constructs sills and sill sealers
- Erects girders, beams, and columns
- Installs floor joist systems
- Installs bridging
- Installs subflooring

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF WALL FRAMING

- Introduced to the basic concept of wall framing
- Lays out walls and rough openings
- Frames walls and rough openings

- Estimates cost of project materials
- Identifies materials needed for wall framing
- Lays out, cuts and installs metal track in framing metal wall positions
- Lays out, cuts and installs studs for metal wall partitions

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF CEILING AND ROOF FRAMING

- Introduced to basic concept of ceiling and roof framing
- Constructs ceiling framing
- Constructs gable roof framing
- Constructs hip/valley roof framing
- Installs finish framing components
- Installs prefabricated roof trusses in accordance with truss information package

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF ROOFING

- Introduced to basic concept of roofing
- Installs drip edges, eaves flashing, and vents
- Installs fiberglass or asphalt shingles and caps

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF EXTERIOR FINISH

- Introduced to basic concept of exterior finishes
- Installs exterior doors, windows, and hardware
- Installs fascia, soffits, frieze board, and moldings
- Installs exterior siding/covering

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF INSULATION

- Introduced to basic concept of insulation
- Ventilates attics and crawl spaces
- Installs thermal insulation and vapor barriers

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF INTERIOR FINISH

- Introduced to basic concept of interior finishes
- Installs gypsum wallboard
- Installs wall paneling (e.g. solid wood, plywood)
- Installs suspended ceilings
- Installs interior doors
- Installs window trim
- Installs baseboards and moldings

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF STAIRS

- Introduced to basic concept of stair construction

- Constructs rough stairs
- Lays out, cuts and installs skirt boards to finish stair components
- Lays out, cuts and installs treads and risers to finish stair components

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF SPECIAL CARPENTRY APPLICATIONS

- Introduced to basic concepts in special carpentry applications
- Installs countertops
- Installs porches and decks

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF SKID STEER SAFETY COURSE

- Introduced to basic concept of skid steer safety
- Understands and demonstrates safe skid steer operation
- Demonstrates skill of operating skid steer through obstacle course
- Acquired skid steer certification

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF CABINETMAKING

- Introduced to basic concepts of cabinetmaking
- Identifies types of joinery
- Identifies types of cabinet designs
- Demonstrates proper usage of a Krieg jig
- Demonstrates construction of a Dovetail joint

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF AIR TOOLS

- Introduced to basic concepts of air tools
- Identifies various air tools
- Practices proper air tool maintenance
- Demonstrates safe use of air tools
- Demonstrates accurate use of air tools
- Practices proper air compressor maintenance

STUDENT INTRODUCED TO THE BASIC CONCEPTS OF SELF-EMPLOYMENT

- Introduced to basic concepts of self-employment
- Understands concept of corporations, partnerships, and sole proprietorships
- Recognizes basic payroll practices
- Understands concept of licensing
- Understands the basics of establishing a business plan
- Understands the basics of small business administration
- Recognizes the basic concepts of acquiring loans and financing
- Understands the meanings of profit, debt, assets, and liabilities