



# APPRENTICESHIP PROGRAM

## Construction Technology / Construction Carpenter

### PROGRAM OUTCOMES:

Students in the construction technology program will acquire the skills necessary for employment in the areas of residential and light commercial construction.

Students may pursue areas of special interest such as framing, roofing, and cabinet-making.

### PROGRAM LENGTH:

Years: 3

Diploma hours: 645

AAS hours: 645

A probationary period of 90 days

### RELATED TECHNICAL INSTRUCTION (RTI):

Certificate(s), Diploma, AAS Degree

### ON-THE-JOB TRAINING (OJT) COMPETENCIES:

- Follow established safety rules and regulations and maintain a safe and clean environment.
- Measure and mark cutting lines on materials. Using a ruler, pencil, chalk, and marking gauge.
- Assemble and fasten materials to make frameworks or props, using hand tools and wood screws, nails, dowel pins, or glue.
- Study specifications in blueprints, sketches, or building plans to prepare project layouts and determine the dimensions and materials required.
- Shape or cut materials to specified measurements, using hand tools, machines, or power saws.



### JOB FUNCTIONS:

- Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
- Observing, receiving, and otherwise obtaining information from all relevant sources.
- Inspect equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
- Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.

### SKILLS:

Quality Control Analysis, Communication, Teamwork, Critical Thinking, Safety, Dexterity, Complex Problem Solving

