



South Central College

# CARP 1111 Carpentry Tools and Safety

## Common Course Outline

### Course Information

**Description** The course covers the safe operations of carpentry tools in the construction industry. Hand tools and stationary power tools will be covered. Job site safety, scaffolding, and ladders will be covered in depth. (Prerequisite: Declare Carpentry as a major)

**Total Credits** 3

**Total Hours** 96

### Types of Instruction

Instruction Type	Credits/Hours
Lab	3/96

### Pre/Corequisites

Declare Carpentry as a major

### Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

### Course Outcomes

**1. Demonstrate personal safety while performing carpentry work.**

**Learning Objectives**

Identify personal protective equipment.

Demonstrate proper procedures for donning personal protective equipment.

**2. Demonstrate safety and health hazard precautions in construction.**

**Learning Objectives**

Describe safety hazards that might occur on the construction site.

Explain OSHA standards related to safety hazards in construction.

**3. Demonstrate fall protection on job site.**

### **Learning Objectives**

Utilize ladder safety.

Utilize proper lifting techniques.

#### **4. Demonstrate electrocution prevention on the job site.**

### **Learning Objectives**

Describe proper fire protection measures.

Describe electrical protection measures.

#### **5. Describe safe excavation procedures.**

### **Learning Objectives**

Identify appropriate use of trench boxes.

Identify appropriate use of sloping method.

#### **6. Explore safety and health programs for personnel, hazards, and equipment.**

### **Learning Objectives**

Complete OSHA training.

Describe the basics of occupational safety.

#### **7. Differentiate between basic hand tools used in carpentry.**

### **Learning Objectives**

Identify standard hand tools used in carpentry.

Describe the appropriate application for each hand tool.

#### **8. Differentiate between basic power tools used in carpentry.**

### **Learning Objectives**

Identify standard power tools used in carpentry.

Describe appropriate application for each power tool.

#### **9. Demonstrate safety protocols in construction.**

### **Learning Objectives**

Describe OSHA guidelines.

Utilize appropriate personal protective equipment.

#### **10. Demonstrate safe hand tool use.**

### **Learning Objectives**

Explain mechanics of basic hand tools.

View hand tool safety demonstration.

#### **11. Demonstrate safe power tool use.**

### **Learning Objectives**

Explain mechanics of basic power tools.

View power tool safety demonstration.

#### **12. Select the appropriate tool for the appropriate task.**

### **Learning Objectives**

Describe common tools used in carpentry.

Describe basic foundations of carpentry skills.

### **Instructor Contact Information**

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### **SCC Accessibility Statement**

Disability Services provides accommodations and other supports to students with permanent and temporary disabilities that affect their SCC experience. Disabilities may include mental health (anxiety, depression, PTSD), ADHD, learning disabilities, chronic health conditions (migraine, fibromyalgia), sensory disabilities, and temporary disabilities (broken arm, surgery). Common accommodations are extended test time, private room for testing, audiobooks, and sign language interpreter.

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