

SOUTHEAST COMMUNITY COLLEGE
ADVANCED TECHNOLOGIES & SKILLED TRADES DIVISION
Building Construction Technology Program
Revision Date: November 2025

I. CATALOG DESCRIPTION

Course Number: CNST1225
Course Title: Orientation to Carpentry / Building Materials and Fasteners
Prerequisite(s): None
Catalog Description: An introduction to: Career & Entrepreneurial Opportunities, Carpentry Safety, Carpenter Skills, Responsibilities, and Characteristics, and Skills USA
Credit Hours: 3
Class Hours: 45
Lab Hours: 0
Total Contact Hours: 45

II. COURSE OBJECTIVES: *Course will:*

- A. Identify career and training opportunities within the carpentry trade.
 - a. Describe craft training opportunities within the carpentry trade
- B. Explain the importance of safety in carpentry, and how it impacts contractors and craft professionals on the jobsite.
 - a. Describe the OSHA outreach Training Program
 - b. Complete the OSHA 10 course & become certified.
- C. Identify skills and attributes of successful carpenters.
- D. Explain how organizations like SkillsUSA help you connect with construction craft professionals.
- E. Identify and operate correctly and safely Hand and Power Tools used in the construction field.
- F. Identify and become familiar with building Materials and fasteners.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

- A. Student Learning Outcomes: *Student will be able to:*
 - 1. Identify career and training opportunities within the carpentry trade.
 - 2. Recognize and safely operate a range of tools common to the construction trades.
 - 3. Identify skills and attributes of successful carpenters Become familiar with SkillsUSA
 - 4. Identify building Materials
- B. General Education Learning Outcomes (GELOs)
 - 1. GELO #3: Critical Thinking & Problem Solving
Outcome 1: Collect, identify, interpret and analyze data.

IV. CONTENT/TOPICAL OUTLINE *(course outline may provide more detailed information)*

- A. Wood Lumber, Engineered Lumber and Panels
- B. Fasteners and adhesives
- C. Hand Tools
- D. Portable Power Tools
- E. Stationary Power Tools
- F. Safety and Job-Site Working Conditions
- G. SkillsUSA

V. INSTRUCTIONAL MATERIALS

A. Required Text(s):
, *NCCER Core 6th Edition* ISBN-10: 0-13-748334-1 NCCER General Carpentry ISBN- 10:0137699972 (Refer to CID and/or instructor for current edition)

B. Supplies: Calculator,

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

1. Lecture
2. Lab / Class Demonstrations
3. Classroom discussion
4. Video presentations
5. PowerPoint presentations
6. Speaker(s)
7. Field Trip(s)
8. Instructional handouts

VII. METHODS OF EVALUATION

A. Methods of evaluation, although determined by the individual instructor, traditionally includes a combination of the following:

1. Tool Check
2. Attendance
3. Reading Assignments
4. Videos
5. Interactive Learning Activities
6. Trade Terms,
7. Dynamic Presentations
8. Concept Checks, Review Questions, and Quizzes

VIII. SPECIFIC COURSE REQUIREMENTS

A. Student must meet all of the following to receive a passing grade:

1. Achieve a passing grade of “C” (70%) or higher, based on SCC grading scale.
2. Submit own work. Students turning in homework, reports, field notes, or calculations by someone other than themselves will receive 0% and be referred to the Division Dean and Dean of Students for further disciplinary action. Consequences can include failing the course.
3. Demonstrate attitude, skills, and character commensurate with industry standards.
4. Intentional damage to college property will not be tolerated and may result in punitive action, such as being removed from the program.
5. All cell phones will be put away during class/lab time.

B. All program policies of the Building Construction Technology program will be strictly enforced.