Course Information Form (CIF)

Course Code: CCA 111

Course Title: Orientation to Carpentry

Department: Applied Sciences and Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 46.0201
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 1-2-2
Credit Hour Distribution:

Lecture: 1	Lab: 2	Clinical: 0	**Total: 2**

General Course Information

Catalog Description

Introduces new apprentices to the industry, hand tools, power tools, power-actuated tools, and blueprint reading.

General Course Objectives

Students will be able to explain the history, working rules, and collective bargaining agreement, and how they relate to the apprentice carpenter. Students will know the theory and application of various types of hand tools, including safe operation and technique. Students will be able to identify and safely use common power tools used in the trade. Students will become certified operators of a power-actuated tool. Students will be introduced to the common concepts found in blueprints.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 098	Placement out of CCS 098	Placement into MAT 060

Prerequisites

None

Methods of Evaluation

The minimum methods of evaluation include: 4 written examinations, weekly skills testing, quizzes, and final comprehensive written and practical exam.

Instructional Materials and Additional Supplies

Career Connections: Book 1, Carpenters International Training Fund (2010). Las Vegas, Nevada: Mosaic.
Math for the Trades, Carpenters International Training Fund (2010). Las Vegas, Nevada: Mosaic.
Print Reading, Carpenters International Training Fund (2005). Las Vegas, Nevada: Mosaic.

Course Content

General Learning Outcomes (GLOs)

- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
The Industry: a) History, b) Working Rules, c) Role of Apprentice, and d) Work Ethics	1. Describe the history of the carpentry trade. 2. Relate the history of the carpentry trade to the United Brotherhood of Carpenters and Joiners of America (UBC) members. 3. Describe the duties and responsibilities of apprentices. 4. Interpret the collective bargaining agreement, and describe how it affects UBC members. 5. Define labor history. 6. List personal attributes or attitudes an employer looks for in an employee. 7. Define what a good work ethic is. 8. Use specific carpentry trade terms in verbal and written communications.	3	0	0
Hand Tools: a) Identification, b) Application, c) Operation, and d) Safety	1. Identify measuring and marking tools, chisels, planes, drills and drill bits, hammers, screwdrivers, and nail sets. 2. Describe the uses for each tool. 3. Demonstrate the use of various tools safely and to the prescribed level of accuracy.	2	8	0
Power Tools: a) Identification, b) Application, c) Operation, and d) Safety	1. Explain the safety rules and procedures to operate each power tool. 2. Demonstrate safe operation of the portable circular saw, table saw, radial arm saw, power mitre saw, portable electric drill, and pneumatic nailer. 3. Explain the uses of each tool.	3	8	0
Power-Actuated Tools: a) Safety Rules and Procedures, b) Use, and c) Certification	1. Explain the safety rules and procedures to operate a power-actuated tool. 2. List the types of fasteners that can be used with a power-actuated tool. 3. Demonstrate the proper procedure in loading and operating a power-actuated tool. 4. Certify as a power-actuated tool operator.	2	6	0
Blueprint Readings: a) Types of Drawings, b) Purpose, c) Dimensioning, and d) Reading the Print	1. List the types of drawings. 2. Explain the markings on each type of drawing. 3. Explain the importance of specifications in describing construction. 4. Discuss the reason for the use of schedules, and give an example. 5. Demonstrate dimensioning errors. 6. Demonstrate the ability to read complete sets of residential and commercial prints.	3	8	0
Exams	1. Successfully complete required exams.	2	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
15	30	0