# Course Information Form (CIF)

**Course Code:** CCA 217
**Course Title:** Cabinets/Hardware

**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

Theory and application of installation of cabinets and countertops; various types of hardware including locksets, door closers, and exit devices.

### General Course Objectives

Students will be able to explain the theory and correctly install cabinets, countertops, and various types of hardware including locksets, door closers, and exit devices.

### Minimum Placement Levels

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

### Prerequisites

Credit in CCA 215

### Methods of Evaluation

The minimum methods of evaluation include: 4 written exams, quizzes, lab exercises, a final written exam, and practical exams.

### Instructional Materials and Additional Supplies

Carpentry, Koel, Leonard (2009). Homewood, Illinois: American Technical Publishers.

## 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 |
|---|---|---|---|---|
| Cabinets and Countertops | 1. Explain the theory and construction of cabinets.<br>2. Explain the layout of cabinets.<br>3. Identify types and styles of cabinets.<br>4. Label types of joints used in cabinet construction.<br>5. Identify hardware used on cabinets.<br>6. List types of materials used on countertops.<br>7. Explain how countertops are made.<br>8. Explain how to install a countertop.<br>9. Demonstrate the ability to install base and upper cabinets and countertops to manufacturer's specifications.<br>10. Demonstrate the ability to scribe and fit a countertop to an irregular wall. | 7 | 15 | 0 |
| Hardware | 1. Identify each piece of hardware and describe its function, given a collection of hardware.<br>2. Prepare and install a lockset correctly.<br>3. Drill and tap holes for a variety of machine screws.<br>4. Correctly install a door close and exit device.<br>5. Describe different types of electrical hardware, including function and application.<br>6. Recognize and describe the applications of health and safety codes to the installation of hardware.<br>7. Determine door hand.<br>8. Interpret door schedules, including hardware groups, given a set of prints.<br>9. Demonstrate proper attitudes for health and safety.<br>10. Use applicable cabinet/countertop terminology in verbal and written communications. | 6 | 15 | 0 |
| Exams | 1. Successfully complete all required exams. | 2 | 0 | 0 |

### Total Contact Hours

| Lecture Hours | Lab Hours | Clinical Hours |
|---|---|---|
| 15 | 30 | 0 |