# Carpentry I Course No. 17002 Credit: 1.0

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| **Student name:** |  | **Graduation Date:** |  |

Pathways and CIP Codes: **Construction & Design (46.0000) - Construction Strand**; Business Management & Entrepreneurship (52.0799)

Course Description:

Directions:The following competencies are required for full approval of this course. Check the appropriate number to indicate the level of competency reached for learner evaluation.

**RATING SCALE:**

4. Exemplary Achievement: Student possesses outstanding knowledge, skills or professional attitude.

3. Proficient Achievement:Student demonstrates good knowledge, skills or professional attitude. Requires limited supervision.

2. Limited Achievement:Student demonstrates fragmented knowledge, skills or professional attitude. Requires close supervision.

1. Inadequate Achievement:Student lacks knowledge, skills or professional attitude.

0. No Instruction/Training:Student has not received instruction or training in this area.

## Benchmark 0: The following competency is to be taught within ALL technical level courses offered in your school’s approved pathway

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 0.1 | Demonstrate an understanding of industry standards for personal safety including the safe use of tools, equipment, and hazardous materials. |  |

## Benchmark 1: Click or tap here to enter text.

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Demonstrate a working knowledge of tools, skills, materials vocabulary and construction methods for all types of construction including residential and commercial. |  |
| 1.2 | Safely utilize and maintain hand and power tools used in the construction industry. |  |
| 1.3 | Demonstrate Blueprint reading skills including the interpretation of plans, elevations, schedules, sections and details. |  |
| 1.4 | Estimate building materials and cost for a project. |  |
| 1.5 | Set up and utilize leveling instruments. |  |
| 1.6 | Install sill seal and sell plate to the foundation. |  |
| 1.7 | Describe the need for, and install thermal and sound insulation and vapor barriers. |  |
| 1.8 | Identify and install various types of floor systems to include: layout, bridging, joists, and subflooring |  |
| 1.9 | Install a single floor system using tongue-and-groove plywood/OSB |  |
| 1.10 | Identify different framing types and systems |  |
| 1.11 | Lay out, construct and erect walls and partitions. |  |
| 1.12 | Lay out, cut and install ceiling joists |  |
| 1.13 | Identify different styles of roofs and their layouts |  |
| 1.14 | Measure and calculate roof area to determine material needs |  |
| 1.15 | Layout and construct a frame roof and apply sheathing. |  |
| 1.16 | Apply fiberglass shingles with a 5” exposure, including at least one rooftop projection. |  |
| 1.17 | Install a pre-hung window. |  |
| 1.18 | Install a pre-hung exterior door with weather-stripping. |  |
| 1.19 | Install a pre-hung interior door. |  |
| 1.20 | Install a lockset on an entry door. |  |
| 1.21 | Describe the types of and demonstrate the application of common wood sidings used as exterior finishes. |  |
| 1.22 | Install factory-made cabinets, countertops, and backsplashes. |  |
| 1.23 | Identify terminology found in MBMA systems including structural loads and safety |  |
| 1.24 | Research the completion of a concrete block foundation and brick veneer project from blueprints. |  |

I certify that the student has received training in the areas indicated.

Instructor Signature:

For more information, contact:

CTE Pathways Help Desk

(785) 296-4908

[pathwayshelpdesk@ksde.org](mailto:pathwayshelpdesk@ksde.org)



900 S.W. Jackson Street, Suite 102

Topeka, Kansas 66612-1212

[https://www.ksde.org](https://www.ksde.org/)

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