# Carpentry II Course No. 38002 Credit: 1.0

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

Pathways and CIP Codes:Construction & Design (46.0000) - Construction Strand

Course Description: An advanced comprehensive **application level** course designed to instruct students in skills pertaining to rough construction and finish work.

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 competencies are to be taught within ALL application 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. |  |
| 0.2 | Demonstrate time management skills. |  |
| 0.3 | Create and utilize employment documents including a resume and portfolio. |  |
| 0.4 | Demonstrate job seeking and interview skills. |  |
| 0.5 | Understand and respond to performance reviews. |  |

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

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Erect, plumb, and brace concrete forms. |  |
| 1.2 | Demonstrate knowledge of mixing components and how they affect concrete strength. |  |
| 1.3 | Use a slump test to measure consistency of concrete and describe methods for controlling cracking. |  |
| 1.4 | Install footings and foundations. |  |
| 1.5 | Describe the need for, and install thermal and sound insulation and vapor barriers. |  |
| 1.6 | Identify and install various types of floor systems to include: layout, bridging, joists, and subflooring. |  |
| 1.7 | Lay out, construct and erect walls and partitions. |  |
| 1.8 | Install gypsum drywall panels on stud walls and ceilings using different types of fastening systems. |  |
| 1.9 | Demonstrate ability to properly finish drywall and patch damaged drywall. |  |
| 1.10 | Construct a frame roof, including hips, valleys, commons, jack rafters and sheathing. |  |
| 1.11 | Install a BUR and EPDM roof system on mockup roof. |  |
| 1.12 | For a stairway of given dimensions, determine the total rise, the number and size of the risers, and the number and size of the treads. |  |
| 1.13 | Construct a staircase according to a specific plan. |  |
| 1.14 | Install interior trim, including door, window, base, and ceiling trims. |  |
| 1.15 | Use technology and resources to research licensing certification and credentialing in the construction industry. |  |
| 1.16 | Identify the components of simple electrical systems. |  |
| 1.17 | Articulate (written or verbal) how Electrical systems fit into the total construction project. |  |
| 1.18 | Demonstrate understanding of climatic control systems. |  |
| 1.19 | Identify the components of simple HVAC and plumbing systems. |  |
| 1.20 | Articulate (written or verbal) how HVAC and Plumbing Systems fit into the total construction project; including how teamwork plays an important role in the timely completion of the project. |  |
| 1.21 | Demonstrate the completion of a concrete block foundation and brick veneer project from blueprints. |  |
| 1.22 | Work with client to construct project according to client specifications. |  |

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

Instructor Signature:

For more information, contact:

CTE Pathways Help Desk

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



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