# Remodel & Building Maintenance Course No. 17009 Credit: 0.5

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

Pathways and CIP Codes:Business Management & Entrepreneurship (52.0799); **Construction & Design (46.0000) - Construction Strand**; Manufacturing (48.0000) - Maintenance Strand

Course Description: An **application level** course designed to provide students with the knowledge and skills needed to maintain commercial, industrial, and residential buildings and homes. Instruction is provided in the basic maintenance and repair of air conditioning, heating, plumbing, electrical, and other mechanical systems. Topics covered may include identifying and using hand and power tools safely; installing and repairing floor coverings, walls, and ceilings; installing and repairing doors, windows, screens, and cabinets; applying finishes to prepared surfaces; and repairing roofs, masonry, plumbing, and electrical systems.

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.

**Prerequisite:** 17002 General Carpentry 1 or 17062 Mechanical/Electrical/Plumbing Trades (MEP 1)

## Benchmark 0: The following competencies are to be taught within ALL application level courses offered in your school's approved pathway.

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Demonstrate an understanding of industry standards for personal safety including the safe use of tools, equipment, and hazardous materials |  |
| 1.2 | Demonstrate time management skills. |  |
| 1.3 | Create and utilize employment documents including a resume and portfolio. |  |
| 1.4 | Demonstrate job seeking and interview skills. |  |
| 1.5 | Understand and respond to performance reviews. |  |

## Benchmark 1: Home Repair application

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Apply needed caulking and/or paint to interior and exterior finishes. |  |
| 1.2 | Demonstrate ability to repair/replace damaged wallboard, wood trim and cabinetry. |  |
| 1.3 | Utilize knowledge of bearing walls when reconfiguring room design and/or constructing building additions. |  |
| 1.4 | Repair/replace floor coverings. |  |
| 1.5 | Troubleshoot and repair problems with HVAC systems. |  |
| 1.6 | Troubleshoot and repair water supply, water heater, and water drainage problems. |  |
| 1.7 | Troubleshoot and repair problems in lighting fixtures, including ballast replacement. |  |
| 1.8 | Utilize appropriate meters/tools to locate electrical circuit problems. |  |
| 1.9 | Replace breakers, plugs, switches and light fixtures. |  |
| 1.10 | Repair/Replace windows, storm windows, doors and storm doors. |  |
| 1.11 | Install and perform maintenance procedures on electric motors. |  |
| 1.12 | Evaluate and assess the extent and condition of remodeling/maintenance problems. |  |
| 1.13 | Develop a checklist to track preventative maintenance. |  |

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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