



South Central College

CARP 2105 Job Site Experience

Course Outcome Summary

Course Information

Description	This course is the culmination of the second year project. Students will do a number of things to complete the house including patios, decks, sidewalks, garage doors and some finished floor installation. Students will also facilitate the return of tools and equipment back to college and lumber yard. The yard will be readied with appropriate landscape and the house will need to pass a final inspection. (Prerequisites CARP 2023; CARP 2030)
Total Credits	5
Total Hours	144

Types of Instruction

Instruction Type	Credits/Hours
1 lecture 4 lab	5 credits

Pre/Corequisites

CARP 2023 Advanced Principles I

CARP 2030 Advanced Principles II

Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. **Pour garage floor.**

Learning Objectives

- Set elevations and grade stakes.
- Position poly before pour.
- Perform concrete pour.

2. **Construct sidewalks.**

Learning Objectives

Set sidewalk forms.
Work within code requirements.
Position concrete in forms.

3. Utilize gutter systems.

Learning Objectives

Acquire knowledge of gutter parts.
Assemble all the parts of a gutter system.
Position gutter systems with appropriate slope.

4. Coordinate subcontractor jobs and timelines.

Learning Objectives

Work with subcontractors to wrap up project by deadlines.
Communicate with subcontractors to facilitate completion dates.

5. Apply safety on the job site.

Learning Objectives

Wear protective personal equipment (PPE).
Be aware of hazards and people around you.
Bring a positive attitude about safety to the job site.

6. Pass city inspections.

Learning Objectives

Build residence to code requirements or exceed them.
Work with building official to accomplish common goals.
Meet city requirements and achieve a Certificate of Occupancy.

7. Complete items on punch list.

Learning Objectives

Identify last minute items to finish.
Wrap up final details to finish residence.

8. Install garage doors.

Learning Objectives

Read directions and respect the dangers of garage doors.
Assemble parts in correct order to completion.

9. Assemble garage door openers.

Learning Objectives

Read directions and assemble according to manufactures recommendations.
Use safety precautions dealing with electricity and large moving parts.

10. Lay out patio.

Learning Objectives

Build forms according to plans.
Conduct concrete pour.

11. Build deck.

Learning Objectives

Build deck according to construction drawings.
Assume responsibility of building within the code requirements.

12. Align tile.

Learning Objectives

Design tile layout to fit room.

Identify appropriate adhesives and lay tile and grout.

13. Install wood flooring.

Learning Objectives

Determine best direction for wood flooring.
Lay out floor to fit room.
Complete floor straight and to manufactures recommendations.

14. Apply city requirements for yard.

Learning Objectives

Grade yard to code requirements.
Plant trees according to code and city requirements.
Plant grass or lay sod.

15. Restore tools, supplies and equipment to campus.

Learning Objectives

Wrap up residential project and return tools to college.
Facilitate returns to lumber yard and supplies to college.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.