

Course discipline/number/title: CR 1623: Rough Framing

A. CATALOG DESCRIPTION

1. Credits: 5
2. Hours/Week: 10 lab
3. Prerequisites (Course discipline/number): None
4. Other requirements: None
5. MnTC Goals (if any): NA

B. **COURSE DESCRIPTION:** This course involves framing of a new single-family home. Students assemble floor systems, build exterior walls, and frame the roof. Safe building practices and tools of the trade are introduced. Good work habits are established.

C. **DATE LAST REVISED (Month, year):** February, 2025

D. OUTLINE OF MAJOR CONTENT AREAS:

1. Hand and Power Tools and Equipment
2. Materials and Fasteners
3. Ladders, Scaffolding, and Fall Protection
4. Floor Framing
5. Wall Framing
6. Roof Framing
7. Stairs
8. Exterior Doors and Windows

E. **LEARNING OUTCOMES (GENERAL):** The student will be able to:

1. Demonstrate the safe use of hand and power tools and equipment.
2. Interpret information from blueprints and construction documents.
3. Apply building codes and safety standards.
4. Layout and install a floor system, framed with walls, and roof system
5. Install wall and roof sheathing.
6. Identify and use proper fasteners.
7. Cut studs, plates, sills, stringers, and rafters.
8. Build safe scaffoldings.
9. Demonstrate general carpentry skills.

F. **LEARNING OUTCOMES (MNTC):** NA

G. **METHODS FOR EVALUATION OF STUDENT LEARNING:** Methods may include but are not limited to:

1. Performance on construction tasks
2. Quizzes
3. Exams
4. Class Participation

H. **RCTC CORE OUTCOME(S).** This course contributes to meeting the following RCTC Core Outcome(s):
Personal and Professional Accountability. Students will take responsibility as active learners for achieving their educational and personal goals.

I. **SPECIAL INFORMATION (if any):** None