



Course Description

BCV0122 | Rough Framing Carpentry | 15.00 credits

The Rough Framing Carpentry course explores the intricacies of construction covering essential skills from site preparation to final finishes. Students will learn to perform site-preparation and building layout activities, understand building foundation construction, and master the layout, cutting, and installation of framing members for floors and walls. The course teaches students to cover the walls using cold-formed steel and the construction of rough stair systems. In addition, students will learn how to identify, select, and install various roofing materials, and apply thermal boundary, moisture protection, and water management systems.

Course Competencies

Competency 1: The student will be proficient in site preparation and building layout by:

1. Performing site preparation activities to ensure a solid foundation for construction projects
2. Mastering building layout techniques to position framing members and structural elements accurately
3. Evaluating site conditions and making necessary adjustments to optimize the construction process

Competency 2: The student will master framing techniques and construction systems by:

1. Cutting and installing framing members for floors and walls, ensuring structural integrity and adherence to building codes
2. Constructing rough stair systems that comply with safety standards and design specifications
3. Applying cold-formed steel techniques to cover walls, enhancing durability and performance effectively

Competency 3: The student will understand roofing and water management systems by:

1. Identifying and selecting appropriate roofing materials based on project requirements and environmental considerations
2. Installing various roofing materials ensures the proper functionality and longevity of the roofing system
3. Implementing thermal boundary, moisture protection, and water management systems to enhance building performance and sustainability

Learning Outcomes:

1. Communicate effectively using listening, speaking, reading, and writing skills
2. Use quantitative analytical skills to evaluate and process numerical data
3. Solve problems using critical and creative thinking and scientific reasoning