

CAR 105 - FOUNDATIONS AND FRAMING

Course Description

Through structured classroom and hands-on skill building, the student will learn foundation design, layout, concrete material forms, and applications. Floor, wall, ceiling and roof framing will be covered, as well as basic stair layout and construction. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Recommended Prerequisites or Skills Competencies

Placement in MTH 23 or co-enrollment in the recommended developmental Math course, placement into ENG 11/111 or co-enrollment in the recommended English course.

Course Learning Outcomes

Knowledge:

- Identify foundational design and materials.
- Identify framing construction design and materials.
- Describe basic stair design and layout.

Application:

- Design foundations using a variety of material.
- Construct floors, walls, ceilings, and roofs.
- Create basic stair layouts.

Integration:

- Demonstrate understanding of framing construction.
- Prepare a basic staircase construction.

Human Dimension:

- Recognize the rigors of construction.
- Work collaboratively with other trades and each other.

Caring - Civic Learning:

- Value the care and use of hand and power tools.
- Appreciate proper measuring and cutting techniques to eliminate waste.

Learning How to Learn:

- Identify their learning styles and aptitude for construction.