

CAR 121 - EXTERIOR CONSTRUCTION

Course Description

Through structured classroom and hands-on skill building, the student will learn about various roofing materials and applications, window and door installation, siding, cornice design and installation, gutters, downspouts, decks and fences. Group 2 course. Placement into ENG 11/111 or higher, or co-enrollment in the recommended English course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Recommended Prerequisites or Skills Competencies

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

Course Learning Outcomes

Knowledge:

- Explain advanced building design and materials.
- Identify window and door material.
- Describe deck material and design.
- Identify gutter/downspout material.

Application:

- Research materials used in modern construction.
- Design deck layouts.
- Complete a roofing and siding project.

Integration:

- Recognize the Impact of improper materials for specific buildings.
- Distinguish differences in trim techniques, decks and fence design.

Human Dimension:

- Judge if working construction outdoors suits them.
- Analyze the variety of demands and expectations of society.

Caring - Civic Learning:

- Appreciate how careful planning of building structures can save time, money, and reduce waste.

Learning How to Learn:

- Continue quality work practices learned in class in real-life situations.