Department:

Building Trades

Course Description:

This course provides a study of exterior sheathings, windows, doors, sidings, eaves, and fasciae. The course will include instruction and experience in installation, finish, and maintenance. In addition, the course will provide experience in installing thresholds, weather stripping, locksets, and overhead garage doors.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Install windows and exterior doors:
   a. Identify various types of fixed, sliding, and swinging windows.
   b. Identify the parts of a window installation.
   c. Describe the requirements for a proper window installation.
   d. Install a pre-hung window.
   e. Identify the common types of exterior doors and explain how they are constructed.
   f. Identify the parts of a door installation.
   g. Identify the types of thresholds used with exterior doors.
   h. Install a pre-hung exterior door.
   i. Identify the various types of locksets used on exterior doors and explain how they are installed.
   j. Install a lockset.

2. Construct a basic stair unit:
   a. Identify the various types of stairs.
   b. Identify the various parts of stairs.
   c. Identify the materials used in the construction of stairs.
   d. Interpret construction drawings of stairs.
   e. Calculate the total rise, number and size of risers, and number and size of treads required for a stairway.
   f. Lay out and cut stringers, risers, and treads.
   g. Build a small stair unit with a temporary handrail.

Course Content:

A. Window Terms and Types
B. Window Installation
C. Door Fitting, Hanging, and Installation
D. Types of Stairs
E. Stair Framing and Design
F. Stair Calculation and Layout
G. Using Stock Stair Parts

Learning Assessments:

Course competencies will be assessed by participation in class discussion and activities, examinations, assignments, and class attendance.

Instructional Materials:


Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

In order to begin the process all students must complete the “Disabilities Self-Identification Form” at this link: https://highlandcc.edu/pages/disability-services.

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.