

ATFL-1710: VELCRO AND MODULAR CARPETING

Cuyahoga Community College

Viewing: ATFL-1710 : Velcro and Modular Carpeting

Board of Trustees:

September 2025

Academic Term:

Fall 2025

Subject Code

ATFL - Appld Indus Tech - Floorlaying

Course Number:

1710

Title:

Velcro and Modular Carpeting

Catalog Description:

Carpeting and manufacturing process as related to Velcro and modular product types. Includes materials, hand and power tools, job preparation, layout and installation procedures, and interpretation of construction drawings.

Credit Hour(s):

2

Lecture Hour(s):

2

Requisites

Prerequisite and Corequisite

ATFL-1450 Floorlaying Concepts or concurrent enrollment, or departmental approval: Admissions to Floorlaying Technology apprenticeship program.

Outcomes

Course Outcome(s):

Read prints, identify tools, layout, cut and install Velcro and modular carpeting in accordance with jobsite specifications and established safety procedures.

Objective(s):

1. Discuss carpeting and manufacturing processes as related to Velcro and modular types of carpeting.
2. Identify carpeting tools used for installation preparation and finishing.
3. Demonstrate safe use of hand and power tools and handling of materials in the installation of Velcro and modular types.
4. Apply math concepts for estimating material requirements.
5. Interpret construction drawings for field applications.
6. Demonstrate appropriate installation methods for Velcro and modular carpet types.

Course Outcome(s):

Prepare subfloor for selected carpet style in accordance with jobsite specifications and established safety procedures.

Objective(s):

1. Demonstrate safe and proper use of tools need in the preparation of the subfloor.
 2. Identify appropriate underlayment to use with selected materials and layout.
 3. Demonstrate correct application of appropriate underlayment for different layouts.
 4. Discuss various subfloor preparation techniques.
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Methods of Evaluation:

1. Quizzes
2. Exams
3. Classroom participation
4. Completion of assigned projects

Course Content Outline:

1. Concepts
 - a. Carpeting and related manufacturing processes.
 - b. Perimeter calculations
 - c. Area calculations
 - d. Square yardage calculations
 - e. Measurement conversions
 - f. Material estimation techniques
 - g. Blueprint reading techniques
 - h. Cutting and trimming tools used in carpet installations.
 - i. Moisture testing techniques
 - j. Sub floor requirements
 - k. Transition strip installation techniques
 - l. Pattern matching techniques
- m. Cutting techniques
- n. Carpet installation techniques
- o. Binding techniques
- p. Stair installation techniques
2. Skills
 - a. Reading blueprints for room location, color and seam layout.
 - b. Estimating material requirements- square yardage.
 - c. Calculating perimeter, area, square yardage
 - d. Performing measurement conversions
 - e. Preparing sub floor by patching and leveling using floor sander, broom, and patching trowel.
 - f. Installing transition strips
 - g. Cutting materials
 - h. Matching patterns and prepare seams
 - i. Installing and trim in Velcro and modular carpeting
 - j. Installing Velcro and modular carpeting on stairs
 - k. Binding and installing carpet base

Resources

Carpenters International Training Fund. *Standard Skills for Floor Coverers: Part 1*. Carpenters International Training Fund, Las Vegas, NV, 2012.

Carpenters International Training Fund. *Standard Skills for Floor Coverers: Part 2*. Carpenters International Training Fund, Las Vegas, NV, 2012.

Carpenters International Training Fund. *Carpet 1*. Carpenters International Training Fund, Las Vegas, NV, 2010.

Carpenters International Training Fund. *Carpet 2*. Carpenters International Training Fund, Las Vegas, NV, 2013.

Standard for Installation of Commercial Carpet: CRI 104. The Carpet and Rug Institute, 2019.

Resources Other

Carpenter's International Training Fund. <https://www.carpenters.org/citf-training/> . 2024.

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