

ATFL-1300: RESIDENTIAL INSTALLATION

Cuyahoga Community College

Viewing: ATFL-1300 : Residential Installation

Board of Trustees:

September 2025

Academic Term:

Fall 2025

Subject Code

ATFL - Appld Indus Tech - Floorlaying

Course Number:

1300

Title:

Residential Installation

Catalog Description:

Introduction to residential flooring products and installation procedures. Includes residential carpet and vinyl product knowledge, and custom installation (borders, insets, patterns, and upholstered stairs). Also includes customer relations, etiquette, and communication skills related to residential work.

Credit Hour(s):

2

Lecture Hour(s):

2

Requisites

Prerequisite and Corequisite

Departmental approval: Admissions to Floorlaying Technology apprenticeship program.

Outcomes

Course Outcome(s):

Utilize communication skills and etiquette to develop good customer relations when working in a residential setting.

Objective(s):

1. Effectively communicate with customers.
2. Discuss appropriate dress for residential work.
3. Discuss appropriate language for working in residential settings.
4. Discuss how to deal with children and pets when working in residential settings.

Course Outcome(s):

Perform standard and custom carpet and vinyl installation in residential settings.

Objective(s):

1. Evaluate installation area to determine appropriate entrance to use and identify furniture and appliances that need to be moved, and identify any environmental issues that would impact installation.
2. Measure and estimate for materials needed.
3. Lay out seams, borders, and insets.
4. Demonstrate installation procedures for residential carpet and vinyl materials.
5. Demonstrate installation procedures for residential carpet and vinyl materials on stairs.

Methods of Evaluation:

1. Exams
2. Quizzes
3. Shop Exams
4. Projects

Course Content Outline:

1. Area Evaluation
 - a. Entrance to be used
 - b. Furniture
 - c. Appliances and hook ups
 - d. Environmental issues
2. Jobsite check procedures
 - a. Materials and sundry products
 - b. Layout and seaming diagrams
 - c. Children and pets
 - d. Disposal of waste
3. Etiquette
 - a. Communication
 - b. Language
 - c. Dress
 - d. Problem solving
4. Estimating
 - a. Area
 - b. Dimensions
 - c. Square footage
 - d. Square yardage
 - e. Lineal footage
5. Layout procedures carpet
 - a. Pile direction
 - b. Seam placement
 - c. Pattern alignment
6. Layout procedures vinyl
 - a. Seam placement
 - b. Pattern alignment
7. Custom layout carpet and vinyl
 - a. Borders
 - b. Insets
8. Installation carpet
 - a. Cushion installation
 - b. Seaming techniques
 - c. Stretching procedures
 - d. Borders, insets, patterns
 - e. Upholstered stairs
9. Installation vinyl
 - a. Pattern scribing
 - b. Hand fitting
 - c. Adhesives
 - d. Seaming techniques
 - e. Borders, insets, patterns
 - f. Stair transitions
10. Material handling
 - a. Furniture moving
 - b. Appliance moving and hook ups
 - c. Waste disposal

Resources

Resilient 1. Carpenters International Training Fund, Las Vegas, NV, 2012.

Resilient 2. Carpenters International Training Fund, Las Vegas, NV, 2016.

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

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

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

Resources Other

1. Carpet and Rug Institute. *CRI Carpet Installation Standard.* 2023. <https://carpet-rug.org/resources/installation-standards/> (<https://carpet-rug.org/resources/installation-standards/>) (current Manufacturer Specifications).
2. Carpenter's International Training Fund. <https://www.carpenters.org/citf-training/> . 2024.

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