

# ATFL-1720: SHEET GOODS - GEOMETRIC LAYOUT AND INLAY

## Cuyahoga Community College

**Viewing: ATFL-1720 : Sheet Goods - Geometric Layout and Inlay**

**Board of Trustees:**

September 2025

**Academic Term:**

Fall 2025

**Subject Code**

ATFL - Appld Indus Tech - Floorlaying

**Course Number:**

1720

**Title:**

Sheet Goods - Geometric Layout and Inlay

**Catalog Description:**

Study of advanced floorlaying techniques used in layout and installation of sheet goods in specialty situations including geometric shapes and producing templates.

**Credit Hour(s):**

2

**Lecture Hour(s):**

2

## Requisites

**Prerequisite and Corequisite**

ATFL-1650 Sheet Goods - Flash Coving or concurrent enrollment, and ATFL-1450 Floorlaying Concepts or concurrent enrollment; or departmental approval: Admissions to Floorlaying Technology apprenticeship program.

## Outcomes

**Course Outcome(s):**

Identify shapes, select appropriate tools, prepare layout, and install sheet goods according to designs and special templates in accordance with jobsite specifications and established safety procedures.

**Objective(s):**

1. Identify geometric shapes.
2. Identify and describe function of specialty tools/equipment.
3. Prepare the layout for standard geometric shapes.
4. Demonstrate safe use of specialty hand tools.
5. Demonstrate the installation of floor designs and templates.

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**Course Outcome(s):**

Produce special templates for respective designs.

**Objective(s):**

1. Use overhead projector to trace templates and letter stencils.
2. Freehand sketch templates/designs.

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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. Sheet goods and related manufacturing process.
  - b. Math concepts for estimating material requirements.
  - c. Blueprint reading.
  - d. Cutting and trimming tools used in sheet goods installations.
  - e. Moisture testing.
  - f. Subflooring requirements.
  - g. Seaming requirements
  - h. Floor design installation techniques
  - i. Template installation techniques
  - j. Geometric Shapes
  - k. Functions of specialty tools and equipment
  - l. Safety procedures
  - m. Pattern matching techniques
2. Skills
  - a. Reading blueprints for room location, color and seam layout.
  - b. Estimating material requirements-square yardage.
  - c. Calculating length of sheets to be installed.
  - d. Preparing subfloor.
  - e. Installing transition strips.
  - f. Cutting materials.
  - g. Matching pattern and prepare seams.
  - h. Installing sheet goods.
    - i. Underscribing or welding seams if applicable.
    - j. Operating overhead projector.
    - k. Using letter stencils
    - l. Tracing templates
  - m. Freehand sketching template designs

**Resources**

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

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

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

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

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**Resources Other**

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

Key: 337