

# Finishing the Building Interior

## Course 363: Finishing the Building Interior

Covers constructing stairways, installing doors, and finishing procedures. Emphasizes interior walls, ceilings, and floors.

TPC Training is accredited by IACET to offer **0.5 CEU** for this program.



### Lesson 1: Interior Walls and Ceilings

#### Topics

Plasterboard Construction; Application of Plasterboard Panels; Methods of Fastening Plasterboard; Methods of Cutting Plasterboard; Treatment of Corners and Edges; Construction of Drywall; Taping and Cementing Procedures; Metal Stud Drywall Systems; Prefinished and Plywood Paneling; Solid Lumber Paneling; Finishing Plaster Walls; Preparing Masonry Walls; Finishing Plasterboard Ceilings; Acoustical Tile Ceilings; Suspended Tile Ceilings

#### Objectives

- Explain how to fasten single-ply plasterboard panels to the stud framing for interior walls.
- Describe the three-step procedure for cementing and taping drywall construction.
- Name the advantages of a drywall system that uses metal studs.
- Explain how to install interior plywood paneling.
- Differentiate between the three coats of plaster required for plaster wall construction.
- Identify the main parts of the framing system for suspended tile ceilings.

### Lesson 2: Laying Flooring

#### Topics

Concrete Floors; Wood Flooring; Installing Strip Flooring; Strip Flooring over Concrete; Estimating Strip Flooring; Installing Wood Block Flooring; Finishing Wood Flooring; Prefinished Wood Flooring; Underlaying for Other Floors; Resilient Floor Coverings; Ceramic Tile Floors; Wood Decking

#### Objectives

- Tell the differences between strip, block, and plank flooring.
- Explain how to lay flooring strips, keep them straight, and make adjustments when they are not straight.
- Tell how to plan and make a careful layout for installing a wood block floor.
- Give the sequence of sanding operations for a newly installed wood strip floor.
- Name the materials you can use for underlaying a resilient or ceramic floor.
- Explain how to lay a tile floor with the tile veneer method.

### Lesson 3: Stair Construction

#### Topics

Prefabricated Stairs; Common Stairway Configurations; Parts of a Stairway; Framing Stairways; Number of Treads and Risers; Determining the Height of Risers; Determining the Run of a Stairway; Determining the Length of Stringers; Laying Out with a Story Pole; Laying Out Stringer; Semi-Housed and Housed Stringers; Riser and Tread Assembly; Assembling and Anchoring Stairways; Railings for Stairs; Ordering Prefabricated Stairs; Spiral Staircases

#### Objectives

- Describe some of the common stairway configurations: open, closed, L-shaped, U-shaped, etc.
- Starting with the stringers, name all the parts in a stair assembly.
- Explain how to use a story pole to check stair calculations.
- Tell how to anchor a flight of stairs.
- Name the guidelines for constructing handrails or railings in stairways.

### Lesson 4: Interior Doors and Door Jambs

#### Topics

Sizes of Interior Doors; Types of Interior Doors; Specifying the Hand of a Door; Hinge Construction and Operation; Common Hinges for Doors; Other Hinges for Doors; Installing Hinges in Doors; Constructing a Door Jamb; Installing a Single-Swing Door; Installing Double Doors; Installing Sliding Doors; Installing Bifold Doors; Locking Devices for Doors

#### Objectives

- Explain how hollow-core, fiber-core and solid-core doors differ in construction.
- Tell how to remove a door hung on hinges with fixed pins. Also with loose pins.
- Give the guidelines for placing three hinges on the edges of a door.
- Describe how to install a single-swing door.
- Differentiate between pocket-type and bypass-type sliding doors.
- Name a few of the types of locks used on interior doors.

### Lesson 5: Installing Interior Trim

#### Topics

Types of Molding; Joints for Molding; Using a Miter Box; Installing Door Trim; Installing Window Trim; Installing Baseboard Molding

#### Objectives

- Differentiate between a base shoe molding and a baseboard molding.
- Give the uses of cove, crown, and half-round moldings.
- Describe how to make a scarf joint and coped joint.
- Demonstrate how to cut a 45° miter with a miter box.
- Tell how to install the casing around a door opening
- Explain how to construct the interior casing for a window.