



# FUNDAMENTALS OF ARCHITECTURAL DOORS AND HARDWARE SELF-STUDY COURSE

## SSC100 (30 CEP points)



### Module 1: Fundamentals of Architectural Hardware

<b>Lesson 1</b> Materials and Finishes	Describes the common metals, materials, and finishes used in builders hardware.
<b>Lesson 2</b> Hand the Door	Teaches students how to use industry standard symbols for communicating the direction door leaves swing when they write hardware sets, door schedules, and factory orders.
<b>Lesson 3</b> Hang the Door	Introduces students to the builders hardware items used to carry the weight of the door leaves and the hardware items attached to them.
<b>Lesson 4</b> Secure the Door-Locks and Latches	Focuses on the different types of builders hardware locks and latches used to secure door openings.
<b>Lesson 5</b> Secure the Door-Exit Devices	Explains the difference between panic hardware and fire exit hardware devices and teaches students when and how exit devices are used to meet the life safety requirements of building, fire, and life safety codes.
<b>Lesson 6</b> Secure the Door-Door Bolts	Describes the different types of door bolts used to secure the inactive leaves of pairs of doors.
<b>Lesson 7</b> Secure the Door-Cylinders & Keying	Explains the different types of cylinders used in builders hardware and provides students with a working understanding of pin tumbler cylinders as well as how masterkeying is designed to provide convenience to the building's occupants.
<b>Lesson 8</b> Control the Door	Describes surface mounted and concealed door closers that are used to control the opening and closing speeds of door leaves.
<b>Lesson 9</b> Protect the Door	Teaches students the various products (e.g., protection plates, door pulls, edge guards) that are used to protect door openings from being dented and scratched.

### Module 2: The Architectural Door

<b>Lesson 1</b> Architectural Wood Doors	Students learn the terminology, components, and materials used to manufacture flush and stile and rail architectural wood doors.
<b>Lesson 2</b> Hollow Metal Doors and Frames	Introduces students to the terminology, components, and materials used to manufacture hollow metal doors and frames.

### Module 3: Fundamentals in Practice

<b>Lesson 1</b> Electrified Architectural Hardware	Provides students with a base-level understanding of the principles of basic electricity and how it is used to modify the functions of builders hardware items to enhance accessibility and maintain security in today's buildings.
<b>Lesson 2</b> Codes and Standards	Introduces students to the many codes and standards that affect architectural door openings, with a focus on NFPA 80, NFPA 101, and ICC A117.1.
<b>Lesson 3</b> Blueprint Reading, Specifications & Scheduling	Teaches students how to read blueprints and specifications and introduces students to hardware schedules.
<b>Lesson 4</b> Jobsite Service	Explains how preparing hardware submittals, marking and packaging doors, frames, and hardware items sets the stage for good jobsite service during the course of the project.

**Purpose:** This course is designed to be an introduction to the world of Architectural Doors and Builders Hardware to those who have less than two years of experience in the industry or who have limited exposure to the broad range of products used in this industry.

This course is also an excellent refresher for industry veterans who want to refamiliarize themselves with the areas they do not focus on on a daily basis.

# Fundamentals of Architectural Doors and Hardware Self-Study Course (SSC100) Order Form (30 CEP points)



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