

# Finish Carpentry Course Descriptions

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Doors / Door Hardware  
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Advanced Printreading  
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Show Case / Loose Store Fixtures  
Fitting Rooms / Partitions

## **ORIENTATION** **(40 Hours)**

This course provides an overview of the carpentry profession, tools of the trade, and jobsite safety. Discussion topics will include the history of the trade, apprenticeship responsibilities, and hiring-hall practices, and measurements. Successful students will receive OSHA 10 and Powder Actuated Tool certification cards. Qualified candidates will be issued an UBC gradall operator's card.

## **SAFETY & HEALTH CERTIFICATIONS** **(40 Hours)**

This course covers the safe and appropriate use of scaffolds, aerial lift equipment, and emergency response procedures. Successful students will receive UBC Scaffold Erector and Aerial Lift Operator qualification cards. First Aid and CPR certification will be issued upon successful completion of the American Red Cross training provided.

## **BASIC WALL FRAMING** **(40 Hours)**

This course presents the theory, methods, and procedures required to frame basic walls. Hands-on practice using proper tool techniques and appropriate materials will enhance fundamental skill development. Beginning with an introduction to print reading, students will perform: basic wall layout; plating procedures; framing assembly and bracing; before aligning and completing selected wall construction project to industry standards.

## **PRINTREADING** **(40 Hours)**

This course introduces the basic principles and conventions associated with architectural print interpretation. Print characteristics, drawing methods, and standard graphic representations are explained and thoroughly discussed. Students will review plans and apply the visualization techniques presented in the training.

**CABINET MILLWORK & ASSEMBLY** (40 Hours)

This course details cabinetry fabrication from design and function, through the complete production process. An emphasis will be placed on print interpretation, job planning and proper construction sequence. Countertops and hardware styles and types will be discussed. Students will use the methods and procedures presented to build a typical base unit.

**CABINET INSTALLATION** (40 Hours)

This comprehensive course covers cabinet installation from establishing the design layout to attaching countertops. An emphasis will be placed on print interpretation, job planning and proper installation sequence. Students will use the methods and procedures presented to install typical upper and lower cabinetry units and countertops.

**COMMERCIAL FIXTURES** (40 Hours)

This course includes print interpretation and fabrication techniques used in the preparation and installation of commercial store fixtures. An emphasis will be placed on pre-job planning, proper hand and power tool use, and safety measures. Students will apply the procedures presented to fabricate and install wall panel and valance fixtures.

**MOLDINGS & TRIM** (40 Hours)

This course covers how moldings and trims are utilized to finish exterior and interior construction design features. Product styles, characteristics, applications, and installation methods are included in the discussions. The tools techniques for cutting, coping and installing various molding and trim types are presented and practiced throughout the training.

**PLASTIC LAMINATES** (40 Hours)

This course covers installation of plastic laminates including function and design. Suitable materials, styles, and textures will be identified. Students will review prints to determine laminate type and calculate quantities. Installation methods and techniques for drop edge and back splash together with cleaning and repair will be emphasized. A countertop will be designed and installed to specifications. Correct use of tools and other equipment will be stressed.

**TRANSIT LEVEL / LASER** (40 Hours)

This course covers the terminology, optical principles, and operating procedures for the transit and laser levels. The conventional methods for measuring angles, using degrees, minutes, and seconds on vernier scales will be included in the transit portion of this class. Students will set up levels, determine benchmarks, take and record elevation readings.

**DOORS / DOOR FRAMES** (40 Hours)

This course covers the installation process from constructing rough openings to hanging and adjusting doors. An emphasis will be placed on print interpretation, door schedules, symbols and hardware recognition. Students will use the methods and procedures presented to install selected frames and doors.

**DOORS / DOOR HARDWARE** (40 Hours)

This course covers the installation process for several types of security and exit door hardware. Discussion of electrical and card reader systems will be included. An emphasis will be placed on print interpretation, door schedules, symbols, and hardware recognition. Students will use the methods and procedures presented to install selected door and hardware systems.

**EXIT & ELECTRICAL SECURITY DEVICES** **(40 Hours)**

This course will highlight the classification, types, models and uses for accident hazard exit (“panic”) devices. A range of security products and door hardware used in the industry such as crossbars, latches, flush bolts, and kick plates will be discussed. Proper selection, installation and adjustment techniques for selected devices will be covered. Students will complete installation and adjustment of two types of exit devices.

**STAIR TRIM** **(40 Hours)**

This course covers how various trims are utilized to finish stair construction design features. Product styles, characteristics, applications, and installation methods are included in the discussions. The tools techniques for cutting and installing selected trim types are presented and practiced throughout the training.

**ADVANCED PRINTREADING** **(40 Hours)**

In this course, students will analyze multi-view drawings to determine construction type, locate benchmark, find building element, references, and perform calculations for construction purposes. The training will include sketching, material take-off, labor estimation, and the methods used to interpret schedules and specifications.

**SOLID SURFACE** **(40 Hours)**

This course covers both basic and advanced assembly and installation techniques for solid surface materials. Manufacturer’s products, designs, materials, accessories, and safety considerations will be included. Students will use the procedures presented to fabricate a countertop with backsplash, and create a design inlay for the project.

**SHOW CASE / LOOSE STORE FIXTURES** **(40 Hours)**

This course includes basic cabinetmaking construction techniques for the installation of commercial store fixtures. An emphasis will be placed on measuring, leveling, hand and power tool use, and safety. Students will interpret prints and material bills for the handling, locating and accurate placement of showcase components and loose store fixtures.

**FITTING ROOMS / PARTITIONS** **(40 Hours)**

This course will compare styles, attachment methods and installation techniques for various fitting room and partition fixtures. Framing elements, mounting brackets, and panel products will be covered. The procedures presented will be applied during fitting room and partition application projects.