

Building Trades: Part 1

Carpentry Tools and Equipment **Course Code: 9188 (20S)**

Students will identify common hand and portable power tools and the safe use of equipment on the job site. Students will learn proper measurement and calculation of materials.

Carpentry Fundamentals **Course Code: 8585 (20S)**

This course will examine general safety awareness, including personal protective equipment (PPE), WHMIS training, and workplace health and safety concerns. The course will also introduce students to the concept of selecting and working with common materials.

Surveying and Concrete **Course Code: 9191 (30S)**

Successful builds start with planning and a good foundation. Plans, specs, levelling instruments, and foundations are all vital components of the building process. Students will lay out building lines and locate elevations using a builder's level. The course will also examine excavation process and various types of concrete forms and foundations.

Framing **Course Code: 9189 (30S)**

Floors, walls, ceilings and roofs are commonly framed of wood in residential construction. Understanding various types of framing and how all the parts are laid out and assembled is demonstrated and discussed. Students will demonstrate how to calculate lumber, subfloor and sheathing material, as well as identify types of roof structure.

Building Trades: Part 2

Interior/Exterior Finishing **Course Code: 9190 (40S)**

Protection from the weather is very important and could include various exterior wall finishes such as stucco, vinyl siding, wood shingles or fiber cement siding. Practice roofing techniques by installing asphalt shingles and common underlay products. Install and finish drywall and understand the types of paints that may be used.

Advanced Framing **Course Code: 9192 (40S)**

Renovations, additions, and post and beam construction. Passive solar construction and building for chimneys and fireplaces. These are all variations to a simple/common home that may be included in a renovation. Students will learn about all of these constructions in a home.

Carpentry Millwork **Course Code: 9193 (40S)**

The job isn't finished until the trim work is done. Baseboards, casing/trim, stairs and cabinets. Understand all of these components that go into the finish work of a home.

Applied Carpentry
Course Code: 9194 (40S)

Learn about the evolution of carpentry and any emerging trends in the building and construction trade. Students will learn how to apply for positions, as well as produce a resume.