



Millwork and Carpentry Certificate 1 year program

In the Millwork and Carpentry program, you will gain hands-on skills in the design and construction of wood structures, cabinets, shelving units and furniture. This certificate program will explore the two traditional woodworking trades of Cabinetmaker and Carpenter, with an emphasis on tools and safety.

Students specialize in either the cabinetmaking or carpentry stream. Each stream emphasizes materials and techniques relevant to that trade specialization.

- The Cabinetmaking stream (Millwork), introduces students to construction of both upper and lower casework, complete with doors, drawer, mouldings, hardware and exposure to a variety of different materials used in the trade.
- The Carpentry stream provides an introduction to residential home construction in foundations, framing and finishing carpentry.experience related to their stream.

Admission Requirements

- **Grade 10 Language Arts (English 10-2)**
- **Grade 10 Mathematics (Any of: Math 10C, Math 10-3, Math 20-4, Applied Math 10, Math 13, or Math 24)**

Carpenter



Carpenter Apprenticeship Program

The term for apprenticeship for a carpenter is four years (four 12-month periods), including a minimum of 1560 hours of on-the-job training and eight weeks of apprenticeship education each year.

Learn to construct, renovate, erect and repair buildings and other structures made of wood, wood substitutes, steel and other materials.

You'll work in residential, commercial or industrial jobs reading drawings or getting instructions before doing layout, materials selection, planning sequences and methods of work. You'll measure and mark materials before cutting and shaping materials, join your materials with nails, screws, bolts or glue and check to make sure your work is level, square, plumb and the right size, shape and location.

In residential work, you will crib basements, build house frameworks, walls, roofs, exterior and interior finishes, and install doors, windows, flooring, cabinets, stairs, handrails, panelling and moulding. You may work with renovations, where you will repair and remodel existing structures.

In commercial or industrial work, you will assemble concrete forms, erect scaffolding, and build bridges, trestles, tunnels, shelters, towers and other structures.

Minimum requirements

Successful completion of the following courses:

- English 10-2
- Math 10-3

Recommended requirements

Apprentices with an Alberta High School Diploma that includes the following courses:

- English 30-2
- Math 30-3
- Physics 20 OR Chemistry 20 OR Science 20
- Related career and technology studies (CTS) courses

<https://www.sait.ca/apprenticeships-and-trades/programs/carpenter>