

## **Carpenter – Classroom Upgrading A Guide to Course Content**

*Carpenters construct, renovate and repair buildings and structures made of wood and other materials.*

**Training Requirements:** All candidates applying for upgrading training must be eligible to challenge the Carpenter Interprovincial Journeyman examination.

This seven week program is designed to prepare individuals to challenge the Carpenter Interprovincial Journeyman examination.

The upgrading program has a rigorous training schedule. Individuals must be able to cope with a large volume of reading material in a short period of time. Contributions to class discussions and completion of all assignments are integral to success. Homework and after-hours study commitments are extensive and mandatory.

As there is no practical component to the upgrader training program, additional study is recommended in areas where individuals have minimal on-the-job experience.

### **Important Notes:**

Successful applicants will be required to have their own copy of the 2015 National Building Code of Canada. They will be loaned the necessary textbooks needed for the upgrading. These textbooks are required to be returned upon completion of the program.

Interested candidates must contact the Saskatchewan Apprenticeship and Trade Certification Commission, not Saskatchewan Polytechnic, when applying for this program.

The following information serves as a guide for employers and apprentices. The information briefly summarizes the training delivered in the upgrading program.

The content of the technical training components is subject to change without notice.

## Common Occupational Skills

Information will be provided on the following general topics:

- **Using and maintaining tools and equipment:** includes maintaining hand, power and pneumatic tools; maintaining stationary tools; using powder-actuated tools; using lifting, rigging and hoisting equipment; and using layout instruments.
- **Performing safety related activities:** includes using personal protective equipment and safety equipment; and maintaining a safe work environment.
- **Using building materials:** includes installing fasteners, adhesives and connectors; installing membranes and sealants; installing foundation protection; and installing insulating materials.
- **Building and using temporary access structures:** includes using stationary access equipment; using mobile access equipment; erecting and dismantling scaffolding; and modifying specialized scaffolding.

## Planning and Layout

Information will be provided on the following general topics:

- **Interpreting documentation:** includes interpreting project drawings; interpreting specifications; interpreting safety documentation; and interpreting workplace documentation
- **Organizing work:** includes scheduling work sequence; performing site preparation; performing quantity take-off; and organizing material.
- **Performing layout:** includes performing site layout; laying out concrete formwork; laying out floor systems; laying out deck systems; laying out wall systems; laying out ceiling systems; laying out roof systems; and laying out stairs.

## Concrete

Information will be provided on the following general topics:

- **Constructing formwork:** includes erecting excavation shoring and underpinning; erecting concrete falsework; constructing footing forms; constructing wall and grade beam formwork; constructing slab-on-grade formwork; constructing column formwork; constructing stair formwork; installing embedded steel; and dismantling formwork.
- **Installs concrete, cement-based and epoxy products:** includes placing concrete, facilitating curing of concrete, performing basic concrete finishing, installing pre-cast components and installing grout.

## Framing

Information will be provided on the following general topics:

- **Constructing floor systems:** includes installing engineered floor systems; and constructing dimensional lumber floor framing.
- **Constructing deck systems:** includes constructing decks; and installing deck components.
- **Constructing wall systems:** includes installing engineered wall systems; and constructing dimensional lumber wall framing.
- **Constructing roof and ceiling systems:** includes installing engineered trusses; and constructing roof and ceiling framing.

## Exterior Finish

Information will be provided on the following general topics:

- **Installing exterior doors and windows:** includes installing exterior jambs and frames; installing exterior doors; installing specialty exterior doors; installing exterior windows; and installing exterior door and window hardware.
- **Installing roofing:** includes installing roofing components; and installing roofing coverings.
- **Installing exterior finishes:** includes installing exterior wall components; and installing exterior wall coverings.

## Interior Finish

Information will be provided on the following general topics:

- **Applying wall and ceiling finishes:** includes installing wallboard; applying wall compound; installing panels, tiles and solid wood finishes; installing suspended ceilings; and installing demountable wall systems.
- **Installing flooring:** includes installing underlayment; installing floor coverings; and installing access flooring.
- **Installing interior doors and windows:** includes installing interior jambs and frames; installing interior doors; installing interior windows; and installing interior door and window hardware.
- **Constructing and installing finish components and stairs:** includes fabricating finish components; installing finish components and accessories; and constructing stairs.

## Renovations

Information will be provided on the following general topics:

- **Performing renovation-specific support activities:** includes removing existing material; and protecting structure during renovations.
- **Performing renovation-specific construction activities:** includes joining new to existing construction; and changing existing structure during renovations.

## Saskatchewan Apprenticeship & Trade Certification Commission

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