

# Carpenter – Online 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 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. Completion of all assignments is integral to success.

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

### **Saskatchewan Polytechnic Carpenter Upgrading (online) Important Notes:**

In 2022-23, the courses will begin at the end of August 2022, with the enrollment for the courses closing December 31st. Students are expected to complete their course by the end of training in June 2023.

In 2023-24, the courses will begin at the end of August 2023, with the enrollment for the courses closing November 30th. The courses have an end date for the technical training year; and students must complete the course by May 31, 2024.

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. The applicant is required to return these textbooks to the training institute upon completion of the program.

Participants will be required to attend seven mandatory invigilated section-end examinations at a specified local location.

Computers used by participants for this program must meet certain minimum technical requirements. This information will be provided upon successful application to this program. Interested candidates must contact the Saskatchewan Apprenticeship and Trade Certification Commission, not Saskatchewan Polytechnic, when applying for this program. This document briefly summarizes the training delivered in the upgrading.

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

## **Saskatchewan Polytechnic Carpenter Upgrading (online) – September to June each year**

### **A – COMMON OCCUPATIONAL SKILLS**

#### **NOA/RSOS topics covered in this section of training:**

##### **A-1 Uses and maintains tools and equipment**

- maintains hand, power and pneumatic tools
- maintains stationary tools
- uses powder-actuated tools
- uses lifting, rigging and hoisting equipment
- uses layout equipment

##### **A-2 Performs safety related activities**

- uses personal protective equipment and safety equipment
- maintains a safe work environment

##### **A-3 Uses building materials**

- installs fasteners, adhesives and connectors
- installs membranes and sealants
- installs foundation protection
- installs insulating materials

##### **A-4 Builds and uses temporary access structures**

- uses stationary access equipment
- uses mobile access equipment
- erects and dismantles scaffolding
- modifies specialized scaffolding

### **B – PLANNING AND LAYOUT**

#### **NOA/RSOS topics covered in this section of training:**

##### **B-5 Interprets documentation**

- interprets project drawing
- interprets specifications
- interprets safety documentation
- interprets workplace documentation

##### **B-6 Organizes work**

- schedules work sequence
- performs site preparation
- performs quantity take-off
- organizes material

##### **B-7 Performs layout**

- performs site layout
- lays out concrete formwork
- lays out floor systems
- lays out deck systems

- lays out wall systems
- lays out ceiling systems
- lays out roof systems
- lays out stairs

## **C – CONCRETE**

### **NOA/RSOS topics covered in this section of training:**

#### **C-8 Constructs formwork**

- erects excavation shoring and underpinning
- erects concrete falsework
- constructs footing forms
- constructs wall and grade beam formwork
- constructs slab- on-grade formwork
- constructs column formwork
- constructs stair formwork
- installs embedded steel
- dismantles formwork

#### **C-9 Installs concrete, cement-based and epoxy products**

- places concrete
- facilitates curing of concrete
- performs basic concrete finishing
- installs pre-cast components
- installs grout

## **D – FRAMING**

### **NOA/RSOS topics covered in this section of training:**

#### **D-10 Constructs floor systems**

- installs engineered floor systems
- constructs dimensional lumber floor framing

#### **D-11 Constructs deck systems**

- constructs decks
- installs deck components

#### **D-12 Constructs wall systems**

- Installs engineered wall systems
- constructs dimensional lumber wall framing

#### **D-13 Constructs roof and ceiling systems**

- installs engineered trusses
- constructs roof and ceiling framing

## **E - EXTERIOR FINISH**

### **NOA/RSOS topics covered in this section of training:**

#### **E-14 Installs exterior doors and windows**

- installs exterior jambs and frames
- installs exterior doors
- installs specialty exterior doors
- installs exterior windows
- installs exterior door and window hardware

#### **E-15 Installs roofing**

- Installs roofing components
- Installs roofing coverings

#### **E-16 Installs exterior finishes**

- installs exterior wall components
- installs exterior wall coverings

## **F – INTERIOR FINISH**

- Learning outcomes listed here

### **NOA/RSOS topics covered in this section of training:**

#### **F-17 Applies wall and ceiling finishes**

- installs wallboard
- applies wall compound
- installs panels, tiles and solid wood finishes
- installs suspended ceilings
- installs demountable wall systems

#### **F-18 Installs flooring**

- installs underlayment
- installs floor coverings
- installs access flooring

#### **F-19 INSTALLS INTERIOR DOORS AND WINDOWS**

- Installs interior jambs and frames
- Installs interior doors
- Installs interior windows
- installs interior door and window hardware

#### **F-20 Constructs and installs finish components and stairs**

- fabricating finish components
- installs finish components and accessories
- constructs stairs

## **G - RENOVATIONS**

### **NOA/RSOS topics covered in this section of training:**

G-21 Performs renovation-specific support activities

- removes existing material
- protects structure during renovations

G-22 Performs renovation-specific construction activities

- joins new to existing construction
- changes existing structure during renovations

### **Saskatchewan Apprenticeship & Trade Certification Commission**

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