



# Saskatchewan Apprenticeship

## Carpenter

*constructs, renovates and repairs buildings and structures made of wood and other materials*

### Entrance Requirements:

Individuals must be working in the trade and under the supervision of a certified tradesperson.

Employers usually prefer to hire workers who have completed Grade 12. Academic requirements for entry into this trade are no longer related to high school grade level. High school completion will ensure entry into the trade. Individuals who have not completed Grade 12 should contact the Apprenticeship and Trade Certification Commission for an assessment of their qualifications.

*All applicants must register with the nearest apprenticeship office prior to contacting the training institution.*

### Training Requirements:

7200 hours (4 years) including four 7-week training sessions at SIAST Palliser Campus in Moose Jaw or at SIAST Woodland Campus in Prince Albert

An apprentice must successfully complete the required technical training and compile enough on-the-job experience to total at least 1800 hours each year.

## Apprenticeship & Trade Certification Commission

2140 Hamilton St  
Regina SK S4P 2E3

Tel: (306) 787-2444  
Fax: (306) 787-5105

Toll Free: 1-877-363-0536

### District Offices

Estevan	(306) 637-4930
La Ronge	(306) 425-4385
Moose Jaw	(306) 694-3735
North Battleford	(306) 446-7409
Prince Albert	(306) 953-2632
Saskatoon	(306) 933-8476
Swift Current	(306) 778-8945
Yorkton	(306) 786-1394

## Apprenticeship Training

## Carpenter

### *A Guide to Course Content*

The information contained in this pamphlet serves as a guide for employers and apprentices.

The pamphlet briefly summarizes the training delivered at each level of apprenticeship training.

**An apprentice spends approximately 15% of the apprenticeship term in a technical training institute learning the technical and theoretical aspects of the trade.**

The hours and percentages of technical and practical training may vary according to class needs and progress.

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

**VISIT OUR WEB SITE!**  
[www.saskapprenticeship.ca](http://www.saskapprenticeship.ca)



Saskatchewan  
Apprenticeship and  
Trade Certification  
Commission

## Level One 7 weeks

### Construction Safety

- safety regulations (OH&S)
- personal protective equipment
- fall protection equipment
- recognizing unsafe working environments
- fire safety
- industrial health hazards

### Scaffolds

- safe use of ladders and ramps
- erection, maintenance and dismantling of wood and metal independent scaffolds
- rigging accessories

### Building Materials

- types of wood and lumber
- types of panel products
- adhesives and fasteners
- proper storage of building materials

### Tools

- hand tools
- portable power tools
- stationary power tools and equipment
- powder actuated tools
- oxy-acetylene cutting torch

### Construction Documents

- symbols and definitions
- basic residential blueprints
- building codes and permits
- quantity surveys - concrete foundations

### Site Layout

- elevations with a builders level
- building layout with hand tools
- building layout with a transit

### Foundations

- formwork for footings, grade beams and walls
- formwork for columns and piers
- pilings

### Concrete

- concrete mixes and admixtures
- testing concrete
- placing, finishing and curing concrete

### Trade Math

## Level Two 7 weeks

### Floor Framing

- building code
- floor beams and columns
- layout and assembly
- floor openings
- sunken and cantilevered floors
- bow and bay windows
- floor trusses
- subfloors

### Wall and Ceiling Framing

- building code
- rough openings
- layout and assembly
- blocking, backing, firestops
- wall sheathing/bracing
- erect walls and partitions
- ceiling joists
- steel stud framing
- steel door frames
- permanent wood foundations
- heavy timber construction

### Roof Framing

- building code
- roof geometry
- common rafters and gable ends
- hip roof framing
- dormers
- roof ladders, collar ties and ridge boards
- roof trusses (gable and hip)
- girder and cantilevered trusses
- roof openings

### Roof Coverings

- preparation and flashings
- asphalt, cedar shingles and cedar shakes
- special roof coverings

### Exterior Finishes

- soffit and fascia
- claddings
- exterior doors and windows
- caulking and sealants

### Residential Blueprints and Quantity Surveys

- interpreting residential blueprints
- quantity surveys - framing and exterior finishes

## Insulation and Air Barriers

### Trade Math

## Level Three 7 weeks

### Commercial Blueprints and Quantity Surveys

- construction freehand sketching
- interpreting commercial blueprints, specifications and schedules
- interpreting masonry and light structural steel
- quantity surveys - interior finishes

### Building Envelope

- fundamentals of building science
- procedures for insulating and sealing the building envelope

### Doors and Hardware

- rough openings
- exterior frames, doors, hardware and weatherstripping
- interior frames, doors and hardware
- specialty doors

### Interior Finish

- wall and ceiling finishes
- floor finishes
- trims and mouldings
- bathroom and lavatory hardware
- wheelchair accessibility

### Wood Stairs

- code requirements, terminology, stair types and design of stairwells
- layout of basic wood stairs and construction of finish stairs
- stair construction using housed, mitred and cut-out stringers
- balustrades, winder stairs and calculating geometric stairs

### Cabinets

- wall cabinet layout, machining and assembly

### Laser Levels

## Level Four 7 weeks

### Commercial Blueprints, Specifications and Quantity Surveys

- blueprint and specification interpretation
- quantity surveys - concrete quantities for stair, beam and slab formwork; roof areas, framing and roof coverings for intersecting roofs

### Transits

- transit use for advanced building layout
- using "total station"

### Concrete Design

- design concrete mixes
- concrete maintenance and repair

### Suspended Scaffolds and Hoarding

- suspended scaffolds
- construction and safe heating of construction hoardings
- propane safety

### Concrete Stairs

- concrete stair formwork

### Commercial Formwork

- slab and beam formwork
- wall formwork for commercial construction

### Intersecting Roof

- intersecting roof - imperial
- intersecting roof - metric
- unequal sloped intersecting roof

### Cabinets

- kitchen base cabinets

### Carpentry Review

- occupational skills
- concrete formwork
- residential and commercial framing
- exterior framing
- interior finishing