



Construction Craft Labourer

Guide to Course Content

2024

Online: www.saskapprenticeship.ca

Recognition:

To promote transparency and consistency, this document has been adapted from the 2015 Construction Craft Worker National Occupational Analysis (Employment and Social Development Canada).

A complete version of the National Occupational Analysis can be found at www.red-seal.ca

STRUCTURE OF THE GUIDE TO COURSE CONTENT

To facilitate understanding of the occupation, this guide to course content contains the following sections:

Task Matrix: a chart which outlines graphically the major work activities, tasks and sub-tasks of this standard detailing the essential skills and the level of training where the content is covered.

Block (NOA): the largest division within the standard that is comprised of a distinct set of trade activities.

Task: distinct actions that describe the activities within a major work activity.

Sub-task: distinct actions that describe the activities within a task.

Training Profile Chart: a chart which outlines the model for Saskatchewan Apprenticeship and Trade Certification Commission (SATCC) technical training.

Technical Training Course Content for the Construction Craft Labourer trade: a chart which outlines the model for SATCC technical training sequencing.

TRAINING REQUIREMENTS FOR THE CONSTRUCTION CRAFT LABOURER TRADE

To graduate from each level of the apprenticeship program, an apprentice must successfully complete the required technical training and compile enough on-the-job experience to total at least 1200 hours each year. Total trade time required is 2400 hours and at least 2 years in the trade.

There are two levels of technical training delivered by Saskatchewan Polytechnic in Moose Jaw.

Level One: 4 weeks

Level Two: 4 weeks

The information contained in this guide to course content details the technical training delivered for each level of apprenticeship. An apprentice spends approximately 15% of their 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.

Entrance Requirements for Apprenticeship Training

Your grade twelve transcripts (with no modified classes) or GED 12 is your guarantee that you meet the educational entrance requirements for apprenticeship in Saskatchewan. In fact, employers prefer and recommend apprentices who have completed high school. This ensures the individual has all of the necessary skills required to successfully complete the apprenticeship program, and receive journeyman certification.

Individuals with “modified” or “general” classes in math or science do not meet our entry requirements. These individuals are required to take an entrance assessment prescribed by the SATCC.

English is the language of instruction in all apprenticeship programs and is the common language for business in Saskatchewan. Before admission, all apprentices and/or “upgraders” must be able to understand and communicate in the English language. Applicants whose first language is not English must have a minimum Canadian Language Benchmark Assessment of six (CLB6).

Note: A CLB assessment is valid for a one-year period from date of issue.

Designated Trade Name	Math Credit at the Indicated Grade Level ^❶	Science Credit at Grade Level
Construction Craft Labourer	Grade 10	Grade 10
<p>❶ - (One of the following) WA – Workplace and Apprenticeship; or F – Foundations; or P – Pre-calculus, or a Math at the indicated grade level (Modified and General Math credits are not acceptable.).</p> <p>*Applicants who have graduated in advance of 2015-2016, or who do not have access to the revised Science curricula will require a Science at the minimum grade level indicated by trade.</p> <p>For information about high school curriculum, including Math and Science course names, please see: http://www.curriculum.gov.sk.ca/#</p> <p>Individuals not meeting the entrance requirements will be subject to an assessment and any required training</p>		

CONSTRUCTION CRAFT LABOURER

TASK MATRIX

This chart outlines the major work activities, tasks and sub-tasks from the 2015 Construction Craft Labourer National Occupational Standard. Each sub-task details the corresponding essential skill and level of training where the content is covered. *

* Sub Tasks with numbers in the boxes is where the content will be delivered in training.

A – Common occupational skills

23%

Task A-1 Performs safety-related functions	1.01 Maintains safe work environment 1, 2	1.02 Uses personal protective equipment (PPE) and safety equipment 1, 2			
Task A-2 Uses and maintains tools and equipment	2.01 Maintains hand, power and powder-actuated tools 1	2.02 Uses rigging and hoisting equipment 1	2.03 Uses stationary equipment 1	2.04 Uses sandblaster 1	2.05 Uses mobile equipment 1
Task A-3 Organizes work	3.01 Uses documentation 1, 2	3.02 Communicates with others 1, 2			
Task A-4 Performs routine trade activities	4.01 Handles construction materials 1	4.02 Performs site housekeeping and maintenance 1	4.03 Erects hoarding and enclosures 1	4.04 Installs membranes 1	4.05 Installs insulating materials 1
	4.06 Establishes grades and elevations 1, 2	4.07 Performs traffic control 1	4.08 Installs permanent and temporary fencing 1		

B – Site work

19%

Task B-5 Prepares site	5.01 Clears site 1, 2	5.02 Sets up site facilities 1, 2	5.03 Assists in installation of pilings 1	5.04 Builds access and egress roads 1	
Task B-6 Performs ground work	6.01 Locates underground utilities 1, 2	6.02 Performs excavation 1, 2	6.03 Installs excavation shoring 1, 2	6.04 Performs backfill and compaction 1, 2	
Task B-7 Services site	7.01 Addresses suspected hazardous materials 1	7.02 Controls water runoff 1	7.03 Sets up temporary lighting 1	7.04 Sets up generators and compressors 1	7.05 Performs site restoration 1
	7.06 Manages tool crib 1	7.07 Recycles materials 1			
Task B-8 Performs basic demolition	8.01 Cuts material 1, 2	8.02 Dismantles existing structures and components 1, 2			
Task B-9 Performs safety watches	9.01 Monitors hazardous gases 1	9.02 Performs watch 1	9.03 Performs bottle watch 1	9.04 Performs confined space watch 1	9.05 Monitors heaters 1

C – Scaffolding and access equipment

9%

Task C-10 Uses scaffolding	10.01 Erects scaffolding 1, 2	10.02 Inspects scaffolding 1, 2	10.03 Maintains scaffolding 1, 2	10.04 Tends to scaffold erectors 1,2	10.05 Dismantles scaffolding 1, 2
Task C-11 Uses access equipment	11.01 Uses access ladders 1	11.02 Uses power elevated work platforms 1	11.03 Inspects access equipment 1	11.04 Maintains access equipment 1	

D – Concrete work

18%

Task D-12 Forms concrete	12.01 Installs formwork and shoring 1, 2	12.02 Inspects assembled formwork 1, 2	12.03 Dismantles formwork 1, 2	12.04 Maintains formwork 1, 2	
Task D-13 Places and finishes concrete	13.01 Mixes concrete 1, 2	13.02 Transports concrete on site 1, 2	13.03 Places concrete 1, 2	13.04 Installs components in concrete 1, 2	13.05 Assist with finishing concrete 1, 2
	13.06 Controls concrete curing process 1, 2				
Task D-14 Modifies concrete	14.01 Drills/cores concrete 2	14.02 Prepares concrete for resurfacing 2	14.03 Performs concrete repair and refinishing 2	14.04 Creates expansion, control and isolation joints 2	

D-15 Places/applies grout, epoxies and caulking	15.01 Places/applies grout 2	15.02 places/applies epoxies 2	15.03 Applies caulking 2
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E – Masonry work

10%

Task E-16 Prepares for masonry work	16.01 Sets up masonry materials 2	16.02 Mixes mortars and grouts 2			
Task E-17 Tends to bricklayers	17.01 Cuts masonry units 2	17.02 Installs lintels and rough bucks 2	17.03 Washes masonry units 2	17.04 Installs refractory materials 2	17.05 Uses fireproof materials 2

F – Utilities and pipeline

11%

Task F-18 Installs utility piping for water and sewer installations	18.01 Installs pipe for water systems 1, 2	18.02 Installs pipe for sewer systems 1, 2	18.03 Installs catch basins and manholes 1, 2	18.04 Modifies existing pipe 1, 2	18.05 Assists with testing water and sewer lines 1, 2
Task F-19 Performs pipelines activities	19.01 Constructs right of ways 2	19.02 Performs pipeline installations 2	19.03 Performs pipeline maintenance 2		

G – Roadwork

10%

Task G-20 Install road surface materials

20.01 Place road surface materials

1

20.02 Repairs road surfaces

1

Task G-21 Installs roadwork components

21.01 Installs barriers

1

21.02 Installs road markings and signs

1

21.03 Installs culverts

1

TRAINING PROFILE CHART

This Training Profile Chart represents Saskatchewan Apprenticeship and Trade Certification Commission (SATCC) technical training at the topic level.

Level One	Transcript Code	Hours
Safe Work Practices	CCL-100	12
Occupational Skills	CCL-110	10
Tools and Equipment	CCL-120	12
Routine Trade Activities	CCL-130	12
Site Work	CCL-140	22
Scaffolding and Access Equipment	CCL-150	12
Concrete Work	CCL-160	22
Utilities and Pipeline Tasks	CCL-170	12
Roadwork	CCL-180	6
		120

Level Two	Transcript Code	Hours
Safe Work Practices	CCL-200	6
Occupational Skills	CCL-210	14
Grades and Elevations	CCL-220	12
Site Work	CCL-230	22
Scaffolding	CCL-240	16
Concrete Work	CCL-250	24
Masonry Work	CCL-260	12
Utilities and Pipeline Tasks	CCL-270	14
		120

TECHNICAL TRAINING COURSE CONTENT

This chart outlines the model for Saskatchewan Apprenticeship and Trade Certification Commission (SATCC) technical training sequencing.

Level One	4 weeks	120 hours
Safe Work Practices		12 hours
<ul style="list-style-type: none">• Describe workplace hazards• Identify OHS regulations• Describe fall protection systems and equipment• Describe personal protective equipment• Describe fire safety procedures• Describes procedures for performing a safety watch		
Occupational Skills		10 hours
<ul style="list-style-type: none">• Identify construction documents and specifications• Describe various methods of communication• Use basic trade math		
Tools and Equipment		12 hours
<ul style="list-style-type: none">• Use hand tools• Use power tools• Use powder-actuated tools• Describe the use of rigging and hoisting equipment• Describe the use of portable equipment• Describe the use of mobile equipment• Describe the use of sand blasters• Describe the use of packers		
Routine Trade Activities		12 hours
<ul style="list-style-type: none">• Describe procedures for installing fencing• Describe procedures to erect and dismantle hoarding• Describe procedures to control traffic• Describe procedures to establish grades and elevations• Describe methods to safely handle various materials• Describe procedures for installing membranes• Describe procedures for installing insulating materials		
Site Work		22 hours
<ul style="list-style-type: none">• Describe procedures for preparing a jobsite• Describe procedures for performing ground work• Describe demolition procedures• Describe excavation and shoring practices• Describe procedures for servicing a jobsite		

Scaffolding and Access Equipment <ul style="list-style-type: none"> • Use scaffolding • Describe the use of access equipment 	12 hours
Concrete Work <ul style="list-style-type: none"> • Install concrete formwork • Perform the placement and finishing of concrete 	22 hours
Utilities and Pipeline <ul style="list-style-type: none"> • Describe procedures for installing utility piping 	12 hours
Road Work <ul style="list-style-type: none"> • Describe procedures for installing paving materials • Describe procedures for installing roadwork components 	6 hours

Level Two	4 weeks	120 hours
Safe Work Practices		6 hours
<ul style="list-style-type: none"> • Describe workplace hazards • Describe the purpose of safety committees 		
Occupational Skills		14 hours
<ul style="list-style-type: none"> • Interpret construction documents and specifications • Use basic trade math 		
Grades and Elevations		12 hours
<ul style="list-style-type: none"> • Establish grades and elevations 		
Site Work		22 hours
<ul style="list-style-type: none"> • Describe procedures for preparing a jobsite • Describe procedures for performing ground work • Describe demolition procedures 		
Scaffolding		16 hours
<ul style="list-style-type: none"> • Use Scaffolding 		
Concrete Work		24 hours
<ul style="list-style-type: none"> • Install concrete formwork • Perform the placement and finishing of concrete • Describe concrete maintenance and repair • Install grout, epoxies and caulking 		
Masonry Work		12 hours
<ul style="list-style-type: none"> • Describe procedures for masonry work preparations • Describe procedures for assisting bricklayers 		
Utilities and Pipeline		14 hours
<ul style="list-style-type: none"> • Describe procedures for installing utility piping • Describe pipeline right of ways and installation • Describe pipeline maintenance 		