

Construction Craft Labourer Course Outline

2021



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		12
Occupational Skills		10
Tools and Equipment		12
Routine Trade Activities		12
Site Work		22
Scaffolding and Access Equipment		12
Concrete Work		22
Utilities and Pipeline Tasks		12
Roadwork		6
		120

Level Two	Transcript Code	Hours
Safe Work Practices		6
Occupational Skills		14
Grades and Elevations		12
Site Work		22
Scaffolding		16
Concrete Work		24
Masonry Work		12
Utilities and Pipeline Tasks		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		12 hours
<ul style="list-style-type: none">• Use scaffolding• Describe the use of access equipment		

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

Construction Craft Labourer TASK MATRIX CHART

This chart outlines the major work activities, tasks and sub-tasks from the 2015 Construction Craft Labourer Red Seal National Occupational Analysis

A - COMMON OCCUPATIONAL SKILLS

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

B – SITE WORK

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

C – SCAFFOLDING AND ACCESS EQUIPMENT

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

D – CONCRETE WORK

D-12 Forms concrete	12.01 Installs formwork and shoring.	12.02 Inspects assembled formwork.	12.03 Dismantles formwork.	12.04 Maintains formwork.	
D-13 Places and finishes concrete	13.01 Mixes concrete.	13.02 Transports concrete on site.	13.03 Places concrete.	13.04 Installs components in concrete.	13.05 Assist with finishing concrete.
	13.06 Controls concrete curing process.				
D-14 Modifies concrete	14.01 Drills/cores concrete.	14.02 Prepares concrete for resurfacing.	14.03 Performs concrete repair and refinishing.	14.04 Creates expansion, control and isolation joints.	
D-15 Places/Applies grout, epoxies and caulking	15.01 Places/Applies grout.	15.02 Places/Applies epoxies.	15.03 Applies caulking.		

E – MASONRY WORK

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

F – UTILITIES AND PIPELINE

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

G – ROADWORK

G-20 Installs road surface materials	20.01 Place road surface materials.	20.02 Repairs road surfaces.	
G-21 Installs roadwork components	21.01 Installs barriers.	21.02 Installs road markings and signs.	21.03 Installs culverts.

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