Scaffolder

Guide to Course Content

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Recognition:
To promote transparency and consistency, this document has been adapted from the Red Seal Occupational Standard template (Employment and Social Development Canada).

Note: The new Scaffolder Apprenticeship Technical Training will be implemented in stages. Level 1 for 2024/25, Level 2 for 2025/26, Level 3 for 2026/27 and Level 4 for 2027/28. The Technical Training will derive from the Scaffolder Saskatchewan Occupational Standard.

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. The Task Matrix is broken down into the following:

Major Work Activity (MWA): 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 Scaffolder trade: a chart which outlines the model for SATCC technical training sequencing. For the harmonized level of training, a cross reference to the Harmonized apprenticeship technical training sequencing, at the learning outcome level, is provided.

Appendix A: Post Implementation Training Profile Chart: a chart which outlines the finalized model for SATCC technical training sequencing with a cross-reference to the implemented apprenticeship technical training sequencing, at the topic level.

TRAINING REQUIREMENTS FOR THE SCAFFOLDER 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 1500 hours each year. Total trade time required is 6000 hours and at least 4 years in the trade.

There are four levels of technical training delivered by Lotus Learning Solutions in Saskatoon and Regina:

Level One: 3 weeks
Level Two: 3 weeks
Level Three: 3 weeks
Level Four: 3 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 journeyperson 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.

Designated Trade Name	**Math Credit** at the Indicated Grade Level❶	**Science Credit** at Grade Level
Scaffolder	Grade 10	Grade 10

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.).

*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.

For information about high school curriculum, including Math and Science course names, please see: http://www.curriculum.gov.sk.ca

Individuals not meeting the entrance requirements will be subject to an assessment and any required training

SCAFFOLDER TASK MATRIX

This chart outlines the major work activities, tasks and sub-tasks from the Scaffolder Saskatchewan 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. The Task Matrix will be updated every year until Technical Training implementation is complete. Implementation will take place progressively. Level one to be implemented in 2024/2025, level two 2025/2026, level three 2026/2027, and level four in 2027/2028.

A - Performs common occupational skills — 55%

Task A-1 Uses and maintains tools and equipment	**A-1.01 Uses and maintains hand, power and pneumatic tools** 1	**1.02 Uses and maintains stationary tools** 2, 3	**1.03 Uses and maintains layout equipment** 1, 3	**A-1.04 Uses and maintains material handling equipment**	**A-1.05 Uses and maintains rigging equipment** 2
	A-1.06 Uses and maintains hoisting equipment 1, 2				
Task A-2 Performs safety-related activities	**A-2.01 Uses personal protective equipment (PPE) and safety equipment** 1	**A-2.02 Maintains safe and hygienic work environment** 1			
Task A-3 Uses building materials	**A-3.01 Uses fasteners, adhesives and connectors** 1	**A-3.02 Uses structural materials** 1	**A-3.03 Uses non-structural materials** 1		

Task A-4 Interprets construction documents	**A-4.01 Interprets engineered drawings and specifications** **1, 2, 3**	**A-4.02 Interprets codes, regulations and standards** **2, 3**	**A-4.03 Estimates materials**	**A-4.04 Schedules work sequence**
Task A-5 Performs project-related skills	**A-5.01 Performs site layout** **1, 2, 3**	**A-5.02 Checks base conditions** **1, 2, 3**	**A-5.03 Uses communication techniques** **1**	

B – TEMPORARY STRUCTURES — 45%

Task B-6 Access structures	**B-6.01 Lays out structures** **1, 2, 3**	**B-6.02 Assembles access structures** **1, 2, 3**	**B-6.03 Maintains access structures** **1, 2, 3**	**B-6.04 Dismantles access structures** **1, 2, 3**
Task B-7 Hoarding and shelters	**B-7.01 Assembles hoarding and shelters** **3**	**B-7.02 Maintains hoarding and shelters** **3**	**B-7.03 Dismantles hoarding and shelters** **3**	
Task B-8 Shoring/falsework	**B-8.01 Lays out shoring/falsework**	**B-8.02 Assembles shoring/falsework**	**B-8.03 Maintains shoring/falsework**	**B-8.04 Dismantles shoring/falsework**
Task B-9 Support structures	**B-9.01 Lays out support structures** **1, 2, 3**	**9.02 Assembles support structures** **1, 2, 3**	**9.03 Maintains support structures** **1, 2, 3**	**9.04 Dismantles support structures** **1, 2, 3**

Task B-10 Structurally fixed work platforms	**10.01 Lays out structurally fixed work platforms** **2, 3**	**10.02 Assembles structurally fixed work platforms** **2, 3**	**10.03 Maintains structurally fixed work platforms** **2, 3**	**10.04 Dismantles miscellaneous equipment** **2, 3**
Task B-11 Hung wire and rope or chain work platforms	**11.01 Lays out hung wire and rope or chain platforms** **3**	**11.02 Assembles hung wire and rope or chain work platforms** **3**	**11.03 Maintains hung wire and rope or chain work platforms** **3**	**11.04 Dismantles miscellaneous equipment** **3**
Task B-12 Specialized safety structures	**12.01 Lays out specialized safety structures**	**12.02 Assembles specialized safety structures**	**12.03 Maintains specialized safety structures**	**12.04 Dismantles specialized safety structures**

TRAINING PROFILE CHART

This Training Profile Chart represents Saskatchewan Apprenticeship and Trade Certification Commission (SATCC) technical training at the topic level for the 2024/2025 Technical Training Semester.

Level One (New Training)	Transcript Code	Hours
Personal Protective Equipment/Safety Equipment	SAFE 101 - Theory	5
	SAFE 101 - Shop	5
Material Handling	MATL 101 - Theory	3
	MATL 101 - Shop	6
Tools and Equipment	TOOL 101 - Theory	3
	TOOL 101 - Shop	9
Ladders	LADD 101 - Theory	1.5
	LADD 101 - Shop	4.5
Scaffolding Basics	SCAF 101 - Theory	12
	SCAF 101 - Shop	26
Wooden Scaffolds	SCAF 102 - Theory	3
	SCAF 102 - Shop	12
		90

Level Two	Transcript Code	Hours
Rigging and Hoisting	RIGG 201 – Theory	8
	RIGG 201 – Shop	4
Tools and Equipment	TOOL 201 – Theory	3
	TOOL 201 – Shop	3
Commercial Engineered Drawings Interpretation	ENGN 201 – Theory	24
Tube and Clamp Scaffolds	SCAF 201 – Theory	3
	SCAF 201 – Shop	9
Modular and System Scaffolds	SCAF 202 – Theory	9
	SCAF 202 - Shop	27
		90

Level Three	Transcript Code	Hours
Site Preparation	SITE 301 – Theory	4
	SITE 301 – Shop	2
Survey Equipment	TOOL 301 – Theory	3
	TOOL 301 – Shop	3
Hoarding and Shelters	HRDS 301 – Theory	3
	HRDS 301 – Shop	9
Modular and System Scaffolds	SCAF 302 – Theory	3
	SCAF 302 – Shop	9
Tube and Clamp Scaffolds	SCAF 301 – Theory	6
	SCAF 301 – Shop	30
Suspended Scaffold System	SCAF 303 – Theory	6
	SCAF 303 – Shop	12
		90

Level Four	Transcript Code	Hours
Workplace Safety	SAFE 401 – Theory	*Non-Implemented Training*
	SAFE 401 – Shop	
Survey Equipment	TOOL 401 – Theory	
	TOOL 401 – Shop	
Shoring	SCAF 401 – Theory	
	SCAF 401 – Shop	
Temporary Bleachers	SCAF 402 – Theory	
	SCAF 402 – Shop	
Boiler Scaffolds	SCAF 403 – Theory	
	SCAF 403 – Shop	
Machine Scaffolds	SCAF 404 – Theory	
	SCAF 404 – Shop	
		90

TECHNICAL TRAINING COURSE CONTENT

This chart outlines the model for Saskatchewan Apprenticeship and Trade Certification Commission (SATCC) technical training sequencing. For the implemented level of training, a cross reference to the Saskatchewan Occupational Standard (SOS) apprenticeship technical training sequencing, at the learning outcome level, is provided.

Sub-tasks listed are the minimum to be covered in a topic. Related sub-tasks not listed may be used as a reference and taught "in context" in other topics.

Implementation will take place take place progressively. Level one to be implemented in 2024/2025, level two 2025/2026, level three 2026/2027, and level four in 2027/2028.

Level One 3 weeks (Implemented Training) 90 hours

Personal Protective Equipment / Safety Equipment – Theory **5 hours**

- identify and apply PPE and safety equipment
- identify, interpret and obey applicable safety laws and regulations
- identify components of the fall protection system
- describe the use of nets and fans
- interpret and practice applicable safety regulations/laws
- identify respiratory safety equipment

Personal Protective Equipment / Safety Equipment – Shop **5 hours**

- identify and apply PPE and safety equipment
- inspect and maintain PPE and safety equipment
- use PPE and safety equipment according to manufacturer's specifications
- identify components of the fall protection system
- interpret and practice applicable safety regulations/laws
- identify respiratory safety equipment

SOS topics covered in this section of training:

A-2 Performs safety-related activities
A-2.01 Uses personal protective equipment (PPE) and safety equipment
A-2.02 Maintains safe and hygienic work environment

A-4 Interprets construction documents
A-4.02 Interprets codes, regulations and standards

Material Handling - Theory **3 hours**

- identify material handling equipment
- calculate weights and dimensions of scaffolding materials
- follow manual and mechanical lifting and hoisting techniques
- identify basic rope knots and hitches
- identify scaffold component hand signals
- handling and storage material handling equipment following manufacturers guidelines and worksite best practices

Material Handling – Shop **9 hours**

- identify material handling equipment
- select, inspect, use and maintain material handling equipment
- calculate weights and dimensions of scaffolding materials
- demonstrate manual and mechanical lifting and hoisting techniques
- performs basic rope knots and hitches
- demonstrates scaffold component hand signals
- inspect trailers visually before loading
- handle and store material handling equipment following manufacturers guidelines and worksite best practices

SOS topics covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.04 Uses and maintains material handling equipment
A-1.06 Uses and maintains hoisting equipment

A-2 Performs safety-related activities
A-2.01 Uses personal protective equipment (PPE) and safety equipment
A-2.02 Maintains safe work environment

A-4 Interprets construction documents
A-4.02 Interprets codes, regulations and standards

Tools and Equipment – Theory **3 hours**

- identify hand, portable power and pneumatic tools
- follow manufacturer's instructions as it pertains to the use of portable power and pneumatic tools
- identify, use, maintain and store basic layout equipment
- proper use of PPE as it applies to tools and equipment

Tools and Equipment – Shop **9 hours**

- identify hand, portable power and pneumatic tools
- inspect, use and maintain hand, portable power and pneumatic tools
- follow manufacturer's instructions as it pertains to the use of portable power and pneumatic tools
- identify, use, maintain and store basic layout equipment
- proper use of PPE as it applies to tools and equipment

SOS topics covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.01 Uses and maintains hand, power and pneumatic tools
A-1.03 Uses and maintains layout equipment
A-4.02 Interprets codes, regulations and standards

Ladders – Theory **1.5 hours**

- identify, inspect, select and use types of portable ladders
- understand manufacturer instructions as well as safety rules and regulations as it pertains to the use of portable ladders

- identify, inspect, select and use fixed ladders
- understand manufacturer's instructions as well as rules and regulations as it pertains to the use of fixed ladders

Ladders – Shop **4.5 hours**

- identify, inspect, select and use types of portable ladders
- understand manufacturer instructions as well as safety rules and regulations as it pertains to the use of portable ladders
- build construction ladders following OH&S regulations
- identify, inspect, select and use fixed ladders
- understand manufacturer's instructions as well as rules and regulations as it pertains to the use of fixed ladders

SOS topics covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.01 Uses and maintains hand, power and pneumatic tools

A-4 Interprets construction documents
A-4.02 Interprets codes, regulations and standards

B-9 Support Structures
B-9.01 Lays out support structures
B-9.02 Assembles support structures
B-9.03 Maintains support structures
B-9.04 Dismantles support structures

Scaffolding Basics - Theory **12 hours**

- identify scaffolding utilization
- identify various types of scaffold systems
- identify various scaffold parts/components/terminology
- identify scaffold parts and components for defects
- understand applicable OH&S regulations and CSA requirements
- determine proper quantity of scaffold parts and components

Scaffolding Basics – Shop **26 hours**

- identify scaffolding utilization
- identify various types of scaffold systems
- identify various scaffold parts/components/terminology
- understand applicable OH&S regulations and CSA requirements
- use layout tools to aid in scaffold design
- inspect scaffold parts and components for defects
- determine proper quantity of scaffold parts and components
- use material handling equipment to stage scaffold parts and components to aid in correct order of assembly
- use and maintain basic rigging and hoisting equipment
- assemble scaffolding following manufacturer's or engineering instructions and applicable laws/regulations
- maintain scaffolding according to manufacturer's instructions and applicable laws/regulations
- dismantle and store scaffolding equipment in proper locations and using manufacturer storage guidelines

SOS topics covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.01 Uses and maintains hand, power and pneumatic tools
A-1.03 Uses and maintains layout equipment
A-1.04 Uses and maintains material handling equipment
A-1.05 Uses and maintains rigging equipment
A-1.06 Uses and maintains hoisting equipment

A-2 Performs safety-related activities
A-2.01 Uses personal protective equipment (PPE) and safety equipment
A-2.02 Maintains safe work environment

A-3 Uses building materials
A-3.01 Uses fasteners, adhesives and connectors
A-3.02 Uses structural materials
A-3.03 Uses non-structural materials

A-4 Interprets construction documents
A-4.01 Interprets engineered drawings and specifications
A-4.02 Interprets codes, regulations and standards
A-4.03 Estimates materials
A-4.04 Schedules work sequence

A-5 Performs project-related skills
A-5.01 Performs site layout
A-5.02 Checks base conditions
A-5.03 Uses communication techniques

B-6 Lays out access structures
B-6.01 Lays out access structures
B-6.02 Assembles access structures
B-6.03 Maintains access structures
B-6.04 Dismantles access structures

B-9 Support Structures
B-9.01 Lays out support structures
B-9.02 Assembles support structures
B-9.03 Maintains support structures
B-9.04 Dismantles support structures

Wooden Scaffolds - Theory **3 hours**

- identify applicable OH&S regulations and CSA requirements
- determine proper quantity of scaffold parts and components

Wooden Scaffolds - Shop **12 hours**

- use layout tools to aid in scaffold design
- identify applicable OH&S regulations and CSA requirements
- inspect scaffold parts and components for defects
- determine proper quantity of scaffold parts and components

- use material handling equipment to stage scaffold parts and components to aid in correct order of assembly
- use basic rigging and hoisting equipment
- assemble scaffolding following manufacturer's or engineering instructions and applicable laws/regulations
- maintain scaffolding according to manufacturer's instructions and applicable laws/regulations
- dismantle and store scaffolding materials according to manufacturer instructions and applicable laws/regulations

SOS topics covered in this section of training:

A1- Uses and maintains tools and equipment
A-1.01 Uses and maintains hand, power and pneumatic tools
A-1.03 Uses and maintains layout equipment
A-1.04 Uses and maintains material handling equipment
A-1.05 Uses and maintains rigging equipment
A-1.06 Uses and maintains hoisting equipment

A-2 Performs safety-related activities
A-2.01 Uses personal protective equipment (PPE) and safety equipment
A-2.02 Maintains safe work environment

A-3 Uses building materials
A-3.01 Uses fasteners, adhesives and connectors
A-3.02 Uses structural materials
A-3.03 Uses non-structural materials

A-4 Interprets construction documents
A-4.01 Interprets engineered drawings and specifications
A-4.02 Interprets codes, regulations and standards
A-4.03 Estimates materials
A-4.04 Schedules work sequence

A-5 Performs project-related skills
A-5.01 Performs site layout
A-5.02 Checks base conditions
A-5.03 Uses communication techniques

B-6 Access structures
B-6.01 Lays out access structures
B-6.02 Assembles access structures
B-6.03 Maintains access structures
B-6.04 Dismantles access structures

B-9 Lays out support structures
B-9.01 Lays out support structures
B-9.02 Assembles support structures
B-9.03 Maintains support structures
B-9.04 Dismantles support structures

Level Two — 3 weeks (Implemented Training) — 90 hours

Riggin and Hoisting - Theory — **8 hours**

- identify manual rigging and hoisting equipment
- calculate weights and eccentric loads are within safety factors (Math)
- identify mechanical lifting and hoisting techniques

Rigging and Hoisting - Shop — **4 hours**

- identify, select, inspect, use and maintain manual rigging and hoisting equipment
- apply and demonstrate correct rigging and hoisting methods
- calculate weights and eccentric loads are within safety factors (Math)
- demonstrate ANSI rigging and hoisting hand signals
- perform advanced knot tying

SOS topics covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.05 uses and maintains rigging equipment
A-1.06 uses and maintains hoisting equipment

A-2 Performs safety related activities
A-2.01 uses personal protective equipment (PPE) and safety equipment
A-2.02 maintains safe work environment

A-4 Interprets construction documents
A-4.02 interprets codes, regulations, and standards
A-4.03 estimates materials
A-4.04 schedules work sequence

Tools and Equipment - Theory — **3 hours**

- identify stationary power tools
- identify explosive actuated tools

Tools and Equipment - Shop — **3 hours**

- follow procedures for safe use and maintenance of stationary tools

SOS topics covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.02 uses and maintains stationary tools

A-2 Performs safety related activities
A-2.01 uses personal protective equipment (PPE) and safety equipment
A-2.02 maintains safe work environment

A-4 Interprets construction documents
A-4.02 interprets codes, regulations, and standards

Commercial Engineered Drawings Interpretation — 24 hours

- engineered scaffolding drawings
- freehand sketching
- estimating tube and clamp scaffolds

SOS topics covered in this section of training:

A-4 Uses and maintains tools and equipment
A-4.01 interprets engineered drawings and specifications
A-4.02 interprets codes, regulations, and standards
A-4.03 estimates materials

Tube and Clamp Scaffolds - Theory — 3 hours

- identify applicable OH&S regulations and CSA requirements
- identify components and manufacturer's directions for intended use
- calculate number of components for various scaffold configurations (Math)
- calculate load ratings for various scaffold configurations using manufacturer specifications and applying applicable laws/regulations (Math)

Tube and Clamp Scaffolds - Shop — 9 hours

- calculate number of components for various scaffold configurations (Math)
- calculate load ratings for various scaffold configurations using manufacturer specifications and applying applicable laws/regulations (Math)
- select and inspect scaffold components
- assemble components following manufacturer's or engineer's instructions and applicable laws/regulations
- inspect completed scaffold assembly for damaged or missing components/requirements
- dismantle scaffold assembly in safe manner
- handle and store scaffold components following manufacturers guidelines and worksite best practices

SOS topics covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.01 uses and maintains hand, power, and pneumatic tools
A-1.02 uses and maintains stationary tools
A-1.03 uses and maintains layout equipment
A-1.04 uses and maintains material handling equipment
A-1.05 uses and maintains rigging equipment
A-1.06 uses and maintains hoisting equipment

A-2 Performs safety related activities
A-2.01 uses personal protective equipment (PPE) and safety equipment
A-2.02 maintains safe work environment

A-3 Uses building materials
A-3.01 uses fasteners, adhesives, and connectors
A-3.02 uses structural materials
A-3.03 uses non-structural materials

A-4 Interprets construction documents
A-4.01 interprets engineered drawings and specifications
A-4.02 interprets codes, regulations, and standards
A-4.03 estimates materials
A-4.04 schedules work sequence

A-5 Performs project related skills
A-5.01 performs site layout
A-5.02 checks base conditions
A-5.03 Communicates

B-6 Access structures
B-6.01 lays out access structures
B-6.02 assembles access structures
B-6.03 maintains access structures
B-6.04 dismantles access structures

B-9 Support structures
B-9.01 Lays out support structures
B-9.02 Assembles support structures
B-9.03 Maintains support structures
B-9.04 Dismantles support structures

B-10 Structurally fixed work platforms
B-10.01 lays out structurally fixed work platforms
B-10.02 assembles structurally fixed work platforms
B-10.03 maintains structurally fixed work platforms
B-10.04 dismantles miscellaneous equipment

Modular System Scaffolds – Theory **9 hours**

- identify applicable OH&S regulations and CSA requirements
- identify components and manufacturer's directions for intended use

Modular System Scaffolds – Shop **27 hours**

- select and inspect scaffold components (Math)
- demonstrate assembly of components following manufacturer's instructions and applicable laws/regulations.
- demonstrate various manufacturer-approved assembly techniques
- inspect completed scaffold assembly for damaged or missing components/requirements.
- dismantle scaffold assembly in safe manner

SOS topics covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.01 uses and maintains hand, power, and pneumatic tools
A-1.02 uses and maintains stationary tools
A-1.03 uses and maintains layout equipment
A-1.04 uses and maintains material handling equipment
A-1.05 uses and maintains rigging equipment
A-1.06 uses and maintains hoisting equipment

A-2 Performs safety related activities
A-2.01 uses personal protective equipment (PPE) and safety equipment
A-2.02 maintains safe work environment

A-3 Uses building materials
A-3.01 uses fasteners, adhesives, and connectors
A-3.02 uses structural materials
A-3.03 uses non-structural materials

A-4 Interprets construction documents
A-4.01 interprets engineered drawings and specifications
A-4.02 interprets codes, regulations, and standards
A-4.03 estimates materials
A-4.04 schedules work sequence

A-5 Performs project related skills
A-5.01 performs site layout
A-5.02 checks base conditions
A-5.03 Communicates

B-6 Access structures
B-6.01 lays out access structures
B-6.02 assembles access structures
B-6.03 maintains access structures
B-6.04 dismantles access structures

B-9 Support structures
B-9.01 Lays out support structures
B-9.02 Assembles support structures
B-9.03 Maintains support structures
B-9.04 Dismantles support structures

B-10 Structurally fixed work platforms
B-10.01 lays out structurally fixed work platforms
B-10.02 assembles structurally fixed work platforms
B-10.03 maintains structurally fixed work platforms
B-10.04 dismantles miscellaneous equipment

Level Three 3 weeks (Non-implemented Training) 90 hours

Site Preparation - Theory **4 hours**

- interpret applicable general worksite safety/hygiene regulations/laws
- identify work site hazards
- identify procedures to establish safe worksite base/ground conditions

Site Preparation – Shop **2 hours**

- interpret applicable general worksite safety/hygiene regulations/laws
- identify work site hazards
- use procedures to establish safe worksite base/ground conditions

SOS topics covered in this section of training:

A-2 Performs safety related activities
A-2.01 uses personal protective equipment (PPE) and safety equipment
A-2.02 maintains safe work environment

A-4 Interprets construction documents
A-4.02 interprets codes, regulations, and standards

A-5 Performs project related skills
A-5.01 performs site layout
A-5.02 checks base conditions

Survey Equipment - Theory **3 hours**

- identify types of survey equipment
- establish elevations, angles and linear measurements

Survey Equipment - Shop **3 hours**

- identify, select and use types of survey equipment
- establish elevations, angles and linear measurements
- transport and store survey equipment following manufacturer instructions

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SOS tasks covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.03 Uses and maintains layout equipment

A-2 Performs safety related activities
A-2.01 uses personal protective equipment (PPE) and safety equipment
A-2.02 maintains safe work environment

A-4 Interprets construction documents
A-4.02 interprets codes, regulations, and standards

Hoarding and Shelters - Theory **3 hours**

- identify applicable OH&S regulations and CSA requirements.
- identify hoarding and shelter materials
- select hoarding and shelter materials best suited for task
- calculate wind load and dead load of hoarding and shelter materials (Math)

Hoarding and Shelters – Shop **9 hours**

- select hoarding and shelter materials best suited for task
- calculate wind load and dead load of hoarding and shelter materials (Math)
- install hoarding and shelter materials following manufacturer's directions and applicable regulations/laws
- maintain hoarding and shelter materials
- dismantle hoarding in a safe manner
- handle and store hoarding components following manufacturers guidelines and worksite best practices

SOS tasks covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.01 uses and maintains hand, power, and pneumatic tools
A-1.02 uses and maintains stationary tools
A-1.03 uses and maintains layout equipment
A-1.04 uses and maintains material handling equipment
A-1.05 uses and maintains rigging equipment
A-1.06 uses and maintains hoisting equipment

A-2 Performs safety related activities
A-2.01 uses personal protective equipment (PPE) and safety equipment
A-2.02 maintains safe work environment

A-3 Uses building materials
A-3.01 uses fasteners, adhesives, and connectors
A-3.02 uses structural materials
A-3.03 uses non-structural materials

A-4 Interprets construction documents
A-4.01 interprets engineered drawings and specifications
A-4.02 interprets codes, regulations, and standards
A-4.03 estimates materials
A-4.04 schedules work sequence
A-5 Performs project related skills
A-5.01 performs site layout
A-5.02 checks base conditions
A-5.03 Communicates

B-6 Access structures
B-6.01 lays out access structures
B-6.02 assembles access structures
B-6.03 maintains access structures
B-6.04 dismantles access structures

B-7 Hoarding and shelters
B-7.01 assembles hoardings and shelters
B-7.02 maintains hoardings and shelters
B-7.03 dismantles hoardings and shelters

B-9 Support structures
B-9.01 Lays out support structures
B-9.02 Assembles support structures
B-9.03 Maintains support structures
B-9.04 Dismantles support structures

B-10 Structurally fixed work platforms
B-10.01 lays out structurally fixed work platforms

Modular and System Scaffolds – Theory — 3 hours

- identify applicable OH&S regulations and CSA requirements
- identify components and manufacturer's directions for intended use

Modular and System Scaffolds – Shop — 9 hours

- select and inspect scaffold components
- demonstrate assembly of components following manufacturer's instructions and applicable laws/regulations
- demonstrate various manufacturer approved assembly techniques
- inspect completed scaffold assembly for damaged or missing components/requirements
- dismantle scaffold assembly in safe manner

SOS tasks covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.01 uses and maintains hand, power, and pneumatic tools
A-1.02 uses and maintains stationary tools
A-1.03 uses and maintains layout equipment
A-1.04 uses and maintains material handling equipment
A-1.05 uses and maintains rigging equipment
A-1.06 uses and maintains hoisting equipment

A-2 Performs safety related activities
A-2.01 uses personal protective equipment (PPE) and safety equipment
A-2.02 maintains safe work environment

A-3 Uses building materials
A-3.01 uses fasteners, adhesives, and connectors
A-3.02 uses structural materials
A-3.03 uses non-structural materials

A-4 Interprets construction documents
A-4.01 interprets engineered drawings and specifications
A-4.02 interprets codes, regulations, and standards
A-4.03 estimates materials
A-4.04 schedules work sequence

A-5 Performs project related skills
A-5.01 performs site layout
A-5.02 checks base conditions
A-5.03 Communicates

B-6 Access structures
B-6.01 lays out access structures
B-6.02 assembles access structures
B-6.03 maintains access structures
B-6.04 dismantles access structures

B-9 Support structures
B-9.01 Lays out support structures
B-9.02 Assembles support structures
B-9.03 Maintains support structures
B-9.04 Dismantles support structures

B-10 Structurally fixed work platforms
B-10.01 lays out structurally fixed work platforms
B-10.02 assembles structurally fixed work platforms
B-10.03 maintains structurally fixed work platforms
B-10.04 dismantles miscellaneous equipment

Tube and Clamp Scaffolds – Theory **6 hours**

- identify applicable OH&S regulations and CSA requirements
- identify components and manufacturer's directions for intended use
- Calculate number of components for various scaffold configurations (Math)
- Calculate load ratings for various scaffold configurations using manufacturer specifications and applying applicable laws/regulations (Math)

Tube and Clamp Scaffolds – Shop **30 hours**

- select and inspect scaffold components
- Calculate number of components for various scaffold configurations (Math)
- Calculate load ratings for various scaffold configurations using manufacturer specifications and applying applicable laws/regulations (Math)
- assemble components following manufacturer's or engineer's instructions and applicable laws/regulations
- inspect completed scaffold assembly for damaged or missing components/requirements
- dismantle scaffold assembly in safe manner
- handle and store scaffold components following manufacturers guidelines and worksite best practices

SOS tasks covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.01 uses and maintains hand, power, and pneumatic tools
A-1.02 uses and maintains stationary tools
A-1.03 uses and maintains layout equipment

A-1.04 uses and maintains material handling equipment
A-1.05 uses and maintains rigging equipment
A-1.06 uses and maintains hoisting equipment

A-2 Performs safety related activities
A-2.01 uses personal protective equipment (PPE) and safety equipment
A-2.02 maintains safe work environment

A-3 Uses building materials
A-3.01 uses fasteners, adhesives, and connectors
A-3.02 uses structural materials
A-3.03 uses non-structural materials

A-4 Interprets construction documents
A-4.01 interprets engineered drawings and specifications
A-4.02 interprets codes, regulations, and standards
A-4.03 estimates materials
A-4.04 schedules work sequence

A-5 Performs project related skills
A-5.01 performs site layout
A-5.02 checks base conditions
A-5.03 Communicates

B-6 Access structures
B-6.01 lays out access structures
B-6.02 assembles access structures
B-6.03 maintains access structures
B-6.04 dismantles access structures

B-9 Support structures
B-9.01 Lays out support structures
B-9.02 Assembles support structures
B-9.03 Maintains support structures
B-9.04 Dismantles support structures

B-10 Structurally fixed work platforms
B-10.01 lays out structurally fixed work platforms
B-10.02 assembles structurally fixed work platforms
B-10.03 maintains structurally fixed work platforms
B-10.04 dismantles miscellaneous equipment

Suspended Scaffold System – Theory **6 hours**

- identify different types of suspended scaffolds and swing stages
- understand applicable OH&S regulations and CSA requirements
- identify components and manufacturer's directions for intended use
- calculate number of components for various suspended work platform configurations (Math)
- calculate load ratings for various suspended work platform configurations using manufacturer specifications and applying applicable laws/regulations (Math)

Suspended Scaffold System – Shop **12 hours**

- calculate number of components for various suspended work platform configurations (Math)
- select and inspect suspended work platform components
- calculate load ratings for various suspended work platform configurations using manufacturer specifications and applying applicable laws/regulations (Math)
- assemble components following manufacturer's or engineering instructions and applicable laws/regulations
- inspect completed suspended work platform assembly for damaged or missing components/requirements
- dismantle suspended work platform assembly in safe manner
- handle and store suspended work platform components following manufacturers guidelines and worksite best practices

SOS tasks covered in this section of training:

A-1 Uses and maintains tools and equipment
A-1.01 uses and maintains hand, power, and pneumatic tools
A-1.02 uses and maintains stationary tools
A-1.03 uses and maintains layout equipment
A-1.04 uses and maintains material handling equipment
A-1.05 uses and maintains rigging equipment
A-1.06 uses and maintains hoisting equipment

A-2 Performs safety related activities
A-2.01 uses personal protective equipment (PPE) and safety equipment
A-2.02 maintains safe work environment

A-3 Uses building materials
A-3.01 uses fasteners, adhesives, and connectors
A-3.02 uses structural materials
A-3.03 uses non-structural materials

A-4 Interprets construction documents
A-4.01 interprets engineered drawings and specifications
A-4.02 interprets codes, regulations, and standards
A-4.03 estimates materials
A-4.04 schedules work sequence

A-5 Performs project related skills
A-5.01 performs site layout
A-5.02 checks base conditions
A-5.03 Communicates

B-6 Access structures
B-6.01 lays out access structures
B-6.02 assembles access structures
B-6.03 maintains access structures
B-6.04 dismantles access structures

B-9 Support structures
B-9.01 Lays out support structures
B-9.02 Assembles support structures
B-9.03 Maintains support structures
B-9.04 Dismantles support structures

B-10 Structurally fixed work platforms

B-10.01 lays out structurally fixed work platforms
B-10.02 assembles structurally fixed work platforms
B-10.03 maintains structurally fixed work platforms
B-10.04 dismantles miscellaneous equipment

B-11 Hung wire and rope or chain work platforms
B-11.01 lays out hung wire and rope or chain platforms
B-11.02 assembles hung wire and rope or chain work platforms
B-11.03 maintains hung wire and rope or chain work platforms
B-11.04 dismantles miscellaneous equipment

Level Four 3 weeks (Non-implemented Training) 90 hours

Workplace Safety - Theory

- interpret applicable safety regulations/laws
- recognize common and unique workplace
- safety protocols and procedures
- identify common and unique workplace health hazards
- confined Space certification

Workplace Safety - Shop

- confined Space certification

Survey Equipment - Theory

- identify and select survey equipment
- establish elevations, angles and linear measurements

Survey Equipment - Shop

- select and use survey equipment
- use survey equipment to establish elevations, angles and linear measurements
- transport and store survey equipment following manufacturer's instructions

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Shoring - Theory

- identify components and follow manufacturer's directions for intended use
- calculate number of components for various shoring/falsework configurations
- calculate load ratings for various shoring/falsework configurations using manufacturer specifications and engineered drawings

Shoring - Shop

- calculate number of components for various shoring/falsework configurations
- select and inspect shoring/falsework components
- calculate load ratings for various shoring/falsework configurations using manufacturer specifications and engineered drawings
- assemble components following manufacturer's or engineering instructions and applicable laws/regulations
- inspect completed shoring/falsework assembly for damaged or missing components/requirements
- dismantle shoring/falsework assembly in safe manner
- handle and store shoring/falsework components following manufacturers guidelines and workplace best practices

Temporary Bleachers - Theory

- identify components and manufacturer's directions for intended use
- calculate number of components for various designs and configurations
- calculate load ratings for various structure configurations using manufacturer specifications and applying applicable laws/regulations

Temporary Bleachers - Shop

- calculate number of components for various designs and configurations
- select and inspect structural and non-structural components
- calculate load ratings for various structure configurations using manufacturer specifications and applying applicable laws/regulations
- assemble components following manufacturer's or engineering instructions and applicable laws/regulations
- inspect completed structure assembly for damaged or missing components/requirements
- dismantle structure assembly in safe manner
- handle and store components following manufacturers guidelines and worksite best practices

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Boiler Scaffolds – Theory

- identify components and manufacturer's directions for intended use
- calculate number of components for various scaffold configurations
- calculate load ratings for various scaffold configurations using manufacturer specifications, engineered drawings and applying applicable laws/regulations

Boiler Scaffolds – Shop

- calculate number of components for various scaffold configurations
- select and inspect scaffold components
- calculate load ratings for various scaffold configurations using manufacturer specifications, engineered drawings and applying applicable laws/regulations
- assemble components following manufacturer's or engineering instructions and applicable laws/regulations
- inspect completed scaffold assembly for damaged or missing components/requirements
- dismantle scaffold assembly in safe manner
- handle and store scaffold components following manufacturers guidelines and worksite best practices

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Machine Scaffolds – Theory

- understand applicable OH&S regulations
- identify different types of machine scaffolds
- operations of machine scaffolds
- ariel lift certification

Machine Scaffolds – Shop

- inspect machine scaffolds for damaged/missing components or manufacturers' requirements
- handle and store machine scaffolds following manufacturers guidelines and worksite best practices
- ariel lift certification

In Context Topics

In context means learning that has already taken place and is being applied to the applicable task. Learning outcomes for in context topics are accomplished in other topics in that level.

Uses Building Materials

3.01 Uses fasteners and connectors

3.02 Uses structural materials

3.03 Uses non-structural materials

APPENDIX A: POST IMPLEMENTED TRAINING PROFILE CHART

This chart which outlines the finalized model for Saskatchewan Apprenticeship and Trade Certification Commission (SATCC) technical training sequencing with a cross reference to the implemented apprenticeship technical training sequencing, at the topic level.

Implementation will take place progressively. Level one to be implemented in 2024/2025, level two 2025/2026, level three 2026/2027, and level four in 2027/2028.

SATCC Level One	Transcript Code	Hours	Implemented Level One
Personal Protective Equipment/Safety Equipment	SAFE 101 (Theory)	5	Performs Safety-Related Activities
	SAFE 101 (Shop)	5	
Material Handling	MATL 101 (Theory)	3	Uses Building Materials
	MATL 101 (Shop)	6	
Tools and Equipment	TOOL 101 (Theory)	3	Uses and Maintains Tools and Equipment
	TOOL 101 (Shop)	9	
Ladders	LADD 101 (Theory)	1.5	Support Structures
	LAD 101 (Shop)	4.5	
Scaffolding Basics	SCAF 101 (Theory)	12	Uses and Maintains Tools and Equipment, Uses Building Materials, Support Structures
	SCAF 101 (Shop)	26	
Wooden Scaffolds	SCAF 102 (Theory)	3	Uses and Maintains Tools and Equipment, Uses Building Materials, Support Structures
	SCAF 102 (Shop)	12	
		90	

SATCC Level Two	Transcript Code	Hours	Implemented Level Two (2025/2026)
In Context Topic			Uses Building Materials
Rigging and Hoisting	RIGG 201 (Theory)	8	Uses and Maintains Tools and Equipment
	RIGG 201 (Shop)	4	
Tools and Equipment	TOOL 201 (Theory)	3	Uses and Maintains Tools and Equipment
	TOOL 201 (Shop)	3	
Engineered Drawings	ENGN 201(Theory)	24	Interprets Construction Documents
Tube and Clamp Scaffolds	SCAF 201 (Theory)	3	Access Structures, Support Structures, Structurally Fixed Work Platforms
	SCAF 201 (Shop)	9	
Modular and System Scaffolds	SCAF 202 (Theory)	9	Access Structures, Support Structures, Structurally Fixed Work Platforms
	SCAF 202 (Shop)	27	
		90	

SATCC Level Three	Transcript Code	Hours	Implemented Level Three (2026/2027)
In Context Topic			Uses Building Materials
Site Preparation	SITE 301 (Theory)	4	Performs Project-Related Skills
	SITE 301 (Shop)	2	
Survey Equipment	TOOL 301 (Theory)	3	Uses and Maintains Tools and Equipment
	TOOL 301 (Shop)	3	
Hoarding and Shelters	HRDS 301(Theory)	3	Hoarding and Shelters
	HRDS 301 (Shop)	9	
Tube and Clamp Scaffolds	SCAF 301 (Theory)	6	Access Structures, Support Structures, Structurally Fixed Work Platforms
	SCAF 301 (Shop)	30	
Modular and System Scaffolds	SCAF 302 (Theory)	3	Access Structures, Support Structures, Structurally Fixed Work Platforms
	SCAF 302 (Shop)	9	
Suspended Scaffolds	SCAF 303 (Theory)	6	Hung Wire and Rope or Chain Work Platforms
	SCAF 303 (Shop)	12	
		90	

SATCC Level Four	Transcript Code	Hours	Implemented Level Four (2027/2028)
In Context Topic			Uses Building Materials
Workplace Safety	SAFE 401 (Theory)	7.5	Performs Safety-Related Activities
	SAFE 401 (Shop)	1.5	
Tools and Equipment	TOOL 401 (Theory)	6	Uses and Maintains Tools and Equipment
	TOOL 401 (Shop)	12	
Shoring	SCAF 401 (Theory)	6	Shoring/Falsework
	SCAF 401 (Shop)	12	
Temporary Bleachers	SCAF 402 (Theory)	6	Specialized Safety Structures
	SCAF 402 (Shop)	6	
Boiler Scaffolds	SCAF 403 (Theory)	6	Support Structures, Specialized Safety Structures
	SCAF 403 (Shop)	12	
Machine Scaffolds	SCAF 404 (Theory)	3	Support Structures, Specialized Safety Structures
	SCAF 404 (Shop)	3	
Trade Qualification Exam Preparation	TQEP (Theory)	9	Exceeded Topic
		90	

Exceed Topics

Throughout this guide to course content there are topics which exceed the minimum scope of work as set out in the Scaffolder SOS. Industry in Saskatchewan has deemed certain topics to fall within the scope of work of the Scaffolder trade in Saskatchewan and therefore require technical training to cover these topics.