



Tilesetter

Guide to Course Content



Online: www.saskapprenticeship.ca

Recognition:

To promote transparency and consistency, portions of this document has been adapted from the 2023 Tilesetter Red Seal Occupational Standard (Employment and Social Development Canada).

A complete version of the Occupational Standard 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. The Task Matrix is broken down into the following:

Major Work Activity: 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 Tiler 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.

TRAINING REQUIREMENTS FOR THE **TILESETTER** 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 1800 hours each year. Total trade time required is 7200 hours and at least years in the trade.

There are three levels of technical training for Tiler delivered in Surrey, BC. Training sessions are not offered in the province of Saskatchewan at this time:

Level One:	4 weeks
Level Two:	4 weeks
Level Three:	4 weeks

The information contained in this document 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.

Designated Trade Name	Math Credit at the Indicated Grade Level ^❶	Science Credit at Grade Level
Tilesetter	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		

TILESETTER TASK MATRIX CHART

This chart outlines the major work activities, tasks and sub-tasks from the 2023 Red Seal 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 - Performs Common Occupational Skills

12%

A-1 Performs safety-related functions	1.01 Maintains safe work environment 1 (2,3 in context)	1.02 Uses personal protective equipment (PPE) and safety equipment 1 (2,3 in context)			
A-2 Uses and maintains tools and equipment	2.01 Uses tools and equipment 1 (2,3 in context)	2.02 Uses access equipment 1 (2,3 in context)	2.03 Uses rigging, hoisting and lifting equipment 1 (2,3 in context)		
A-3 Organizes work	3.01 Estimates materials, supplies and labour 1 (2,3 in context)	3.02 Organizes materials, supplies and work site 1 (2,3 in context)	3.03 Evaluates damages and deficiencies 1 (2,3 in context)	3.04 Uses communication techniques 1	3.05 Uses mentoring techniques 3

B – Prepares Substrates

15%

B-4 Removes existing finishes	4.01 Removes surface coverings 1 (2,3 in context)	4.02 Cleans surfaces 1 (2,3 in context)
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B-5 Evaluates and prepares surface	5.01 Assesses existing substrate 1,2 (3 in context)	5.02 Installs membranes 1,2 (3 in context)	5.03 Installs mortar beds 1,2 (3 in context)	5.04 Installs underlayments 1,2 (3 in context)
B-6 Installs specialty products	6.01 Installs sound barrier products 2,3	6.02 Installs in-floor heating 2,3	6.03 Installs engineered products 2,3	

C – Prepares Layouts

21%

C-7 Lays out work area	7.01 Confirms site measurements 1,2,3	7.02 Determines tile layout for best visual effect 1,2,3	7.03 Lays out grid lines 1,2,3	7.04 Evaluates rise and run of stairs 1,2,3
C-8 Evaluates joints	8.01 Accommodates existing joints 1,2	8.02 Determines additional joint requirements 1,2		

D – Prepares Materials

14%

D-9 Inspects materials	9.01 Confirms material consistencies 1,2,3	9.02 Checks materials for damage 1,2,3
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D-10 Prepares material for installation

10.01 Prepares tiles

1,2

10.02 Prepares stone slabs

1,2

D-11 Mixes materials

11.01 Mixes material for tile and stone

1,2

11.02 Mixes materials for mortar beds

1,2

11.03 Mixes materials for terrazzo

1,2

E – Sets Materials

24%

E-12 Installs tiles

12.01 Applies setting material

1,2,3

12.02 Sets tiles

1,2,3

12.03 Installs accessories

1,2,3

12.04 Installs expansion and control joints

2,3

12.05 Installs tile trim

2,3

E-13 Installs stone slabs

13.01 Installs anchors

1,2

13.02 Applies stone slab setting material

1,2

13.03 Mounts stone slabs

2

13.04 Sets stone slabs

2

E-14 Pours terrazzo mixture

14.01 Installs divider strips for terrazzo

1,2

14.02 Applies bond coat

1,2

14.03 Trowels in terrazzo mixture

1,2

14.04 Works surface

2

F – Finishes Materials

14%

F-15 Finishes installed product

15.01 Installs grout

1,2

15.02 Caulks joints

1,2

15.03 Seals material

1,2

F-16 Finishes terrazzo and stone

16.01 Grinds terrazzo and stone

1,2

16.02 Grouts terrazzo and stone

1,2

16.03 Seals terrazzo and stone

1,2

TRAINING PROFILE CHART

This Training Profile Chart represents British Columbia technical training at the topic level.

Level One	Hours
Use Safe Work Practices	
Use Tools and Equipment	
Organize Work	
Prepare Worksite and Materials	
Install Material	
Finish Installed Product	
	120

Level Two	Hours
Use Tools and Equipment	
Organize Work	
Prepare Worksite and Materials	
Install Material	
Finish Installed Product	
	120

Level Three	Hours
Use Tools and Equipment	
Organize Work	
Prepare Worksite and Materials	
Install Material	
	120

TECHNICAL TRAINING COURSE CONTENT

This chart outlines the model for British Columbia technical training sequencing. For the harmonized level of training, a cross reference to the National Occupational Analysis 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.

Level One	4 weeks	120 hours
Use Safe Work Practices • control Workplace Hazards • use information in the WorkSafeBC OHS Regulations • use WHMIS • use Personal Protective Equipment • practice Fire Prevention Procedures RSOS topics covered in this section of training: A-1 Performs safety-related functions 1.01 Maintains safe work environment 1.02 Uses personal protective equipment (PPE) and safety equipment A-3 Organizes Work 3.04 Uses communication techniques		
Use Tools and Equipment • use hand tools • use power tools • use measuring and levelling tools • use access equipment RSOS topics covered in this section of training: A-2 Uses and maintains tools and equipment 2.01 Maintains tools and equipment 2.02 Uses access equipment		
Organize Work • describe the Tiler/trade • use trade related mathematics • read and interpret blueprints RSOS subtasks covered in this section of training: A-3 Organizes Work 3.01 Estimates materials, supplies and labour 3.02 Organizes materials, supplies and work site 3.03 Evaluates damages and deficiencies		

Prepare Worksite and Materials

- prepare substrate
- lays out work area
- apply backing and base materials

RSOS subtasks covered in this section of training:

B-4 Removes existing finishes

- 4.01 Removes surface coverings
- 4.02 Cleans surfaces

B-5 Evaluates and prepares surface

- 5.01 Assesses existing substrate
- 5.02 Installs membranes
- 5.03 Installs mortar beds
- 5.04 Installs underlayments

C-7 Lays out work area

- 7.01 Confirms site measurements
- 7.02 Determines tile layout for best visual effect
- 7.03 Lays out grid lines
- 7.04 Evaluates rise and run of stairs

C-8 Evaluates joints

- 8.01 Accommodates existing joints
- 8.02 Determines additional joint requirements

D-9 Inspects materials

- 9.01 Confirms material consistencies
- 9.02 Checks for damage

D-10 Prepares material for installation

- 10.01 Prepares tile
- 10.02 Prepares stone slabs

Install Material

- install tile on the vertical
- install tile on floors and the horizontal
- install stairways

RSOS subtasks covered in this section of training:

E-12 Installs tiles

- 12.01 Applies setting material
- 12.02 Sets tiles
- 12.03 Installs accessories

E-13 Installs stone slabs

- 13.01 Installs anchors
- 13.02 Applies stone slab setting material

Finish Installed Product

- mix and apply grout
- caulk and seal installed product

RSOS subtasks covered in this section of training:

D-11 Mixes materials

- 11.01 Mixes materials for tile and stone
- 11.02 Mixes material for mortar beds
- 11.03 Mixes materials for terrazzo

F-15 Finishes installed product

- 15.01 Installs grout
- 15.02 Caulks joints
- 15.03 Seals material

Level Two

4 weeks

120 hours

Uses Tools and Equipment

- use rigging and hoisting equipment

This section of training exceeds the minimum sequencing as set out by the Tilesetter RSOS.

Organize Work

- use trade related mathematics
- read and interpret blueprints

This section of training exceeds the minimum sequencing as set out by the Tilesetter RSOS.

Prepare Worksite and Materials

- lays out work area
- describe special applications

RSOS subtasks covered in this section of training:

B-5 Evaluates and prepares surface

- 5.01 Assesses existing substrate
- 5.02 Installs membranes
- 5.03 Installs mortar beds
- 5.04 Installs underlayments

B-6 Installs specialty products

- 6.01 Installs sound barrier products
- 6.02 Installs in floor heating
- 6.03 Installs engineered products

C-7 Lays out work area

- 7.01 Confirms site measurements
- 7.02 Determines tile layout for best visual effect
- 7.03 Lays out grid lines
- 7.04 Evaluates rise and run of stairs

C-8 Evaluates joints

- 8.01 Accommodates existing joints
- 8.02 Determines additional joint requirements

D-9 Inspects materials

- 9.01 Confirms material consistencies
- 9.02 Checks for damage

D-10 Prepares material for installation

- 10.01 Prepares tile
 - 10.02 Prepares stone slabs
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Install Material

- install tile on the vertical
- install tile on floors and the horizontal
- install stairways
- install glass and mosaics
- install ceramic veneer

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- install columns and walls
 - install marble and stone slabs
 - install terrazzo
 - install arches

RSOS subtasks covered in this section of training:

D-11 Mixes materials

- 11.01 Mixes material for tile and stone
- 11.02 Mixes mortar beds
- 11.03 Mixes terrazzo

E-12 Installs tiles

- 12.01 Applies setting material
- 12.02 Sets tiles
- 12.03 Installs accessories
- 12.04 Installs expansion and control joints
- 12.05 Installs tile trim

E-13 Installs stone slabs

- 13.01 Installs anchors
- 13.02 Applies stone slab setting material
- 13.03 Mounts stone slabs
- 13.04 Sets stone slabs

E-14 Pours terrazzo mixture

- 14.01 Installs divider strips for terrazzo
- 14.02 Applies bond coat
- 14.03 Trowels in terrazzo mixture
- 14.04 Works surface

Finish Installed Product

- caulk and seal installed product
- finish terrazzo and stone

RSOS subtasks covered in this section of training:

F-15 Finishes installed product

- 15.01 Installs grout
- 15.02 Caulks joints
- 15.03 Seals material

F-16 Finishes terrazzo and stone

- 16.01 Grinds terrazzo and stone
- 16.02 Grouts terrazzo and stone
- 16.03 Seals terrazzo and stone

Level Two topics from the RSOS that are taught in context:

A-1 Safety-Related Functions

A-2 Tools and Equipment

A-3 Organizes Work

B-4 Removes Existing Finishes

For details regarding the In Context Topic, see page 15

Level Three

4 weeks

120 hours

Uses Tools and Equipment

- use rigging and hoisting equipment

This section of training exceeds the minimum sequencing as set out by the Tilesetter RSOS.

Organize Work

- use trade related mathematics

This section of training exceeds the minimum sequencing as set out by the Tilesetter RSOS.

Prepare Worksite and Materials

- lays out work area
- describe special applications

RSOS subtasks covered in this section of training:

B-6 Installs specialty products

- 6.01 Installs sound barrier products
- 6.02 Installs in floor heating
- 6.03 Installs engineered products

C-7 Lays out work area

- 7.01 Confirms site measurements
- 7.02 Determines tile layout for best visual effect
- 7.03 Lays out grid lines
- 7.04 Evaluates rise and run of stairs

D-9 Inspects materials

- 9.01 Confirms material consistencies
 - 9.02 Checks materials for damage
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Install Material

- install stairways
- install columns and walls
- install tile to swimming pools

RSOS subtasks covered in this section of training:

E-12 Installs tiles

- 12.02 Sets tiles
 - 12.03 Installs accessories
 - 12.04 Installs expansion and control joints
 - 12.05 Installs tile trim
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Level Three topics from the RSOS that are taught in context:

A-1 Safety-Related Functions

A-2 Tools and Equipment

A-3 Organizes Work

B-4 Removes Existing Finishes

B-5 Evaluates and Prepares Surface

For details regarding the In Context Topic, see page 1

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.

A-1 Safety-Related Functions

- 1.01 Maintains safe work environment
- 1.02 Uses personal protective equipment (PPE) and safety equipment

A-2 Tools and Equipment

- 2.01 Maintains tools and equipment
- 2.02 Uses access equipment
- 2.03 Uses rigging, hoisting and lifting equipment

A-3 Organizes Work

- 3.01 Estimates materials, supplies and labour
- 3.02 Organizes materials, supplies and work site
- 3.03 Evaluates damages and deficiencies

B-4 Removes Existing Finishes

- 4.01 Removes surface coverings
- 4.02 Cleans surfaces

B-5 Evaluates and Prepares Surfaces

- 5.01 Assesses existing substrate
- 5.02 Installs membranes
- 5.03 Installs mortar beds
- 5.04 Installs underlayments