



## **SHEET METAL WORKER**

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### **Occupation Description**

“Sheet Metal Worker” means a person who lays out, fabricates, assembles, welds, installs, and services the following: ducting, spouting, fittings, cabinets, gutters, copings, flashings, supporting devices, wall systems, building envelope, ornamental work and integral equipment associated with the blowpipe, air pollution, heating, ventilating, air-conditioning, metal roofing, restaurant, kitchen, marine installations and hospital equipment fields.

For detailed information on the scope of knowledge and skills taught and assessed in this program refer to the Program Outline, available on the SkilledTradesBC website.

### **Pathways to Certification**

In BC, an individual can become certified as a Sheet Metal Worker by completing the Sheet Metal Worker program or by challenging the certification. Apprenticeship programs are for individuals who have an employer to sponsor them and challenge programs are for individuals who have extensive experience working in the occupation and wish to challenge the certification.

Youth can begin an apprenticeship in high school through the Youth Train in Trades or Youth Work in Trades programs. The Youth Work in Trades program is available for any trade if an employer is willing to sponsor the student. Trades offered through the Youth Train in Trades vary by region; contact your local school district to find out which technical training programs are being offered through the Youth Train in Trades program in your region.

Foundation programs, where available, provide adults and youth who do not have work experience or employer sponsorship with an opportunity to gain the knowledge and skills needed to enter the occupation. Individuals who wish to enroll in a Foundation program must register directly with the training provider.

### **Recommended Education**

The following education is recommended for apprentices entering this occupation. These are not pre-requisites, but rather a desired level of skill or knowledge that will contribute to success in the industry.

- English 10, Mathematics 11 and Science 10 or equivalent
- Preferred: Grade 12

### **SkilledTradesBC Registration**

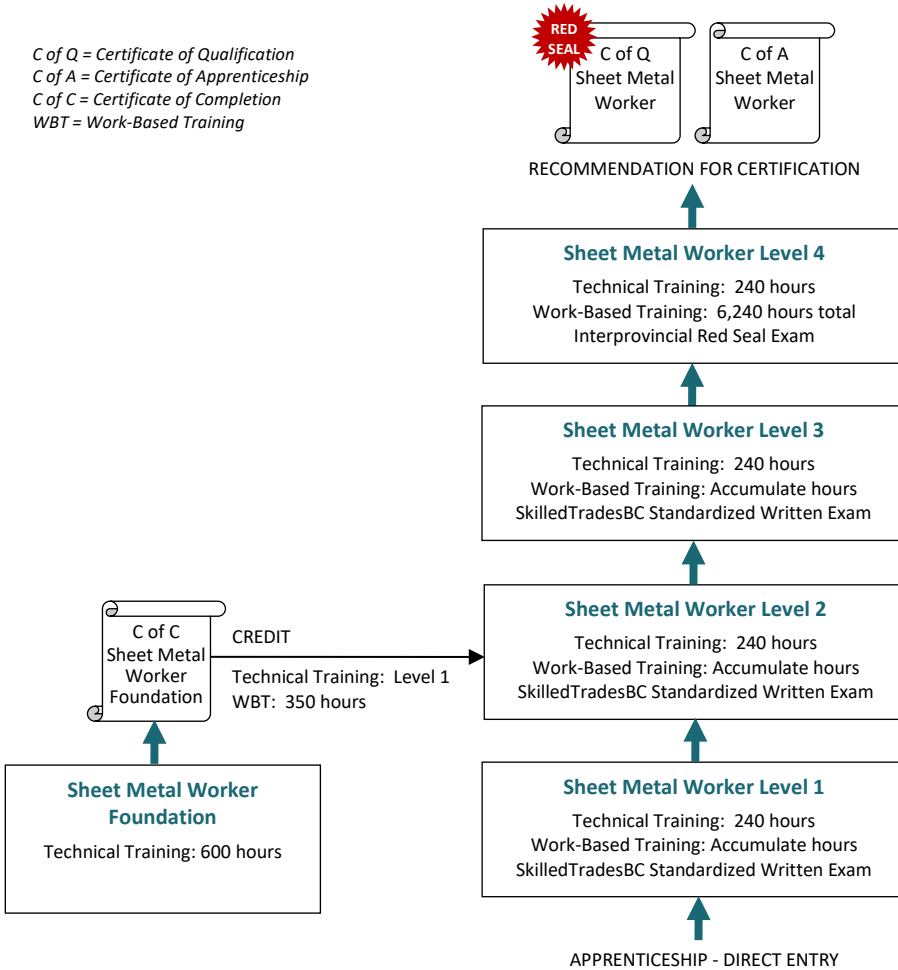
Individuals who wish to begin an apprenticeship in this program must register with SkilledTradesBC along with their sponsor. Application forms for all programs are available from the SkilledTradesBC website. Online registration is also available for most programs through the SkilledTradesBC website.

Those who wish to challenge the Sheet Metal Worker certification must complete the Sheet Metal Worker Challenge Application and submit it to SkilledTradesBC. Challenge applications are assessed for proof of workplace hours and scope of experience prior to acceptance of an individual into the Challenge pathway.



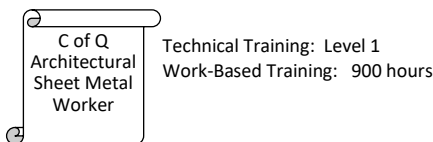
**Apprenticeship Pathway**

This graphic provides an overview of the Sheet Metal Worker apprenticeship pathway.



**CROSS-PROGRAM CREDITS**

Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program





**Apprenticeship Program Standards**

**Credentials Awarded**

- Sheet Metal Worker - Certificate of Qualification with Interprovincial Red Seal endorsement
- Sheet Metal Worker - Certificate of Apprenticeship

**SkilledTradesBC Registration Prerequisites**

- Agreement signed by the employer to sponsor the apprentice

**Completion Requirements** Certification as a Sheet Metal Worker is awarded upon successful completion of:

<b>Requirement</b>	<b>Level of Achievement Required</b>
Technical Training	Minimum 70% in each level of technical training: <ul style="list-style-type: none"> <li>▪ Level 1: 240 hours and SkilledTradesBC Standardized Written Exam</li> <li>▪ Level 2: 240 hours and SkilledTradesBC Standardized Written Exam</li> <li>▪ Level 3: 240 hours and SkilledTradesBC Standardized Written Exam</li> <li>▪ Level 4: 240 hours</li> </ul>
Interprovincial Red Seal Exam	<ul style="list-style-type: none"> <li>▪ Minimum 70%</li> </ul>
Work-Based Training	<ul style="list-style-type: none"> <li>▪ 6,240 hours</li> </ul>
Recommendation for Certification	<ul style="list-style-type: none"> <li>▪ Recommendation for certification signed by the Sponsor and an individual holding credentials eligible for sign-off authority</li> </ul>

**Program Duration** Duration varies depending on how training is delivered, but the program generally takes 4 years to complete.

The technical training requirement is typically met through block-release training (full-time, at school) delivered by a SkilledTradesBC-approved training provider. It can also be met through approved alternative training models (e.g., distance education, online, part-time) and/or level challenge where these options are available.

**Sign-off Authority** Credentials eligible to sign-off on the Recommendation for Certification:

- Sheet Metal Worker – Certificate of Qualification
- Sheet Metal Worker – Interprovincial Red Seal endorsement

**Challenging a Level** The following levels of technical training can be challenged for advanced placement in this program. Note that there are eligibility requirements to challenge a level as this program falls under Skilled Trades Certification.

- Level**
- Level 1
  - Level 2
  - Level 3



**Apprenticeship Program Standards**

**Cross-Program Credits**

Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program

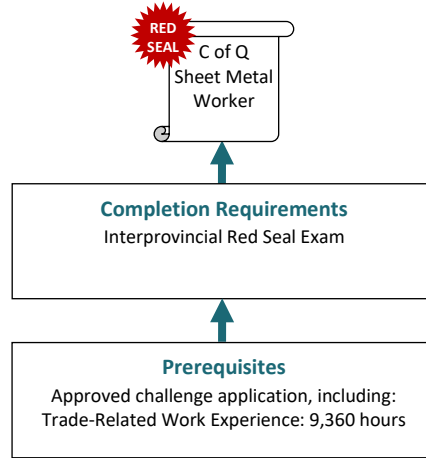
<b>Credential</b>	<b>Credit(s) Granted</b>
Architectural Sheet Metal Worker Certificate of Qualification	<ul style="list-style-type: none"> <li>▪ Technical Training: Level 1</li> <li>▪ Work-Based Training: 900 hours</li> </ul>



### Challenge Pathway

This graphic provides an overview of the Sheet Metal Worker challenge pathway.

*C of Q = Certificate of Qualification*



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#### CREDIT FOR PRIOR LEARNING

*Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program*

*None*



**Challenge Program Standards**

<b>Credentials Awarded</b>	Sheet Metal Worker - Certificate of Qualification with Interprovincial Red Seal endorsement	
<b>SkilledTradesBC Registration Prerequisites</b>	An approved Challenge Application, which includes: <ul style="list-style-type: none"> <li>▪ 9,360 documented hours of directly related experience working in the occupation</li> </ul>	
<b>Credit for Prior Learning</b>	Individuals who hold the credentials listed below are considered to have met, or partially met, the prerequisites for challenging this program: <ul style="list-style-type: none"> <li>▪ None</li> </ul>	
<b>Completion Requirements</b>	Certification as a Sheet Metal Worker is awarded upon successful completion of:	
	<b>Requirement</b>	<b>Level of Achievement Required</b>
	Interprovincial Red Seal Exam	<ul style="list-style-type: none"> <li>▪ Minimum 70%</li> </ul>



**Foundation Program**

Refer to the Apprenticeship pathway credentialing model for this program to see how the Sheet Metal Worker Foundation program leads to apprenticeship in this trade.

**Foundation Program Standards**

<b>Credentials Awarded</b>	Sheet Metal Worker - Certificate of Completion				
<b>Enrollment Prerequisites</b>	Contact training provider. Prerequisites vary between training institutions				
<b>Completion Requirements</b>	A Certificate of Completion in this program is awarded upon successful completion of: <table border="1" data-bbox="516 646 1307 745"> <thead> <tr> <th>Requirement</th> <th>Level of Achievement Required</th> </tr> </thead> <tbody> <tr> <td>Technical Training</td> <td> <ul style="list-style-type: none"> <li>Minimum 70%</li> </ul> </td> </tr> </tbody> </table>	Requirement	Level of Achievement Required	Technical Training	<ul style="list-style-type: none"> <li>Minimum 70%</li> </ul>
Requirement	Level of Achievement Required				
Technical Training	<ul style="list-style-type: none"> <li>Minimum 70%</li> </ul>				
<b>Program Duration</b>	Duration varies depending on how training is delivered, but the program generally takes 20 weeks to complete, assuming 30 hours in school per week				
<b>Credit toward Apprenticeship</b>	Individuals who complete the Sheet Metal Worker Foundation program will receive the following credit toward completion of the Sheet Metal Worker apprenticeship program: <ul style="list-style-type: none"> <li>Technical Training: Level 1</li> <li>Work-Based Training: 350 hours</li> </ul>				



### **Supporting Documents**

Sheet Metal Worker Program Outline (2018) – Defines the full scope of knowledge and skills required to competently perform the occupation in BC. Available from the SkilledTradesBC website.

Sheet Metal Worker Red Seal Occupational Standard (2017) – Prepared by industry experts, under the guidance of the federal government, for Red Seal trades to define the national standard of competence for the trade. Available from the Red Seal website: [www.red-seal.ca](http://www.red-seal.ca)

### **Contacts**

SkilledTradesBC manages B.C.'s industry training and apprenticeship programs. Contact SkilledTradesBC Customer service if you have any questions regarding registration, examinations or certification for this program.

Telephone:	778-328-8700	Fax:	778-328-8701
Toll Free (within BC):	1-866-660-6011	Email:	<a href="mailto:customerservice@skilledtradesbc.ca">customerservice@skilledtradesbc.ca</a>
Website:	<a href="http://www.skilledtradesbc.ca">www.skilledtradesbc.ca</a>		

### **Revision History**

The standards for this program were reviewed and/or updated on the dates below.

Program Standards Approved:	March 2002
Updated:	March 2008
Updated:	November 2011
Updated:	August 2013
Program Standards Approved:	February 2018
Updated:	October 2018

Program Profiles are updated regularly. Visit [www.skilledtradesbc.ca](http://www.skilledtradesbc.ca) for the most current version.