

WELDER LEVEL C

Occupation Description

“Welder Level C” means a person who has training in and is capable of welding various steel and aluminum parts using the SMAW, GMAW and FCAW processes, in the fabrication, construction, erection and repair of components or structures, in plate and structural applications.

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

Pathways to Certification

There are three Welder certifications available in BC: Welder Level C, Welder Level B and Welder Level A. An individual can become certified as a Welder Level C by completing the apprenticeship pathway, the modular pathway, or the challenge pathway.

1. Apprenticeship Pathway

The *apprenticeship pathway* is for individuals who have an employer to sponsor them.

Youth can begin apprenticeship in high school through either the Secondary School Apprenticeship (SSA) or the ACE IT program. The SSA program is available for any trade if an employer is willing to sponsor the student. Trades offered through ACE IT vary by region; contact your local school district to find out which technical training programs are being offered through ACE IT in your region.

2. Modular Pathway

The *modular pathway* is for individuals who do not have an employer to sponsor them. Individuals who wish to enroll in the Modular pathway must register directly with the training provider.

The technical training requirement for the apprenticeship and modular pathways is typically met through block-release training (full-time, at school) delivered by an ITA-approved training provider.

3. Challenge Pathway

The *challenge pathway* is for individuals who have extensive experience working in the occupation and wish to challenge the certification.

Recommended Education

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

- Grade 10 or equivalent including English 10, Math 10, and Science 10
- Preferred: Grade 12

ITA Registration

1. Apprenticeship Pathway

Individuals who wish to follow the apprenticeship pathway must register with ITA along with their sponsor. The *Apprentice and Sponsor Registration* form is available from the ITA website.



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2. Modular Pathway

Individuals who wish to follow the modular pathway can register directly with a training provider for technical training. The training provider will work with the individual to register with ITA. An individual can also register in this program by submitting the *Modular Welder Registration* form along with their logbook for competency assessment to ITA. The *Modular Welder Registration* form is available from the ITA website.

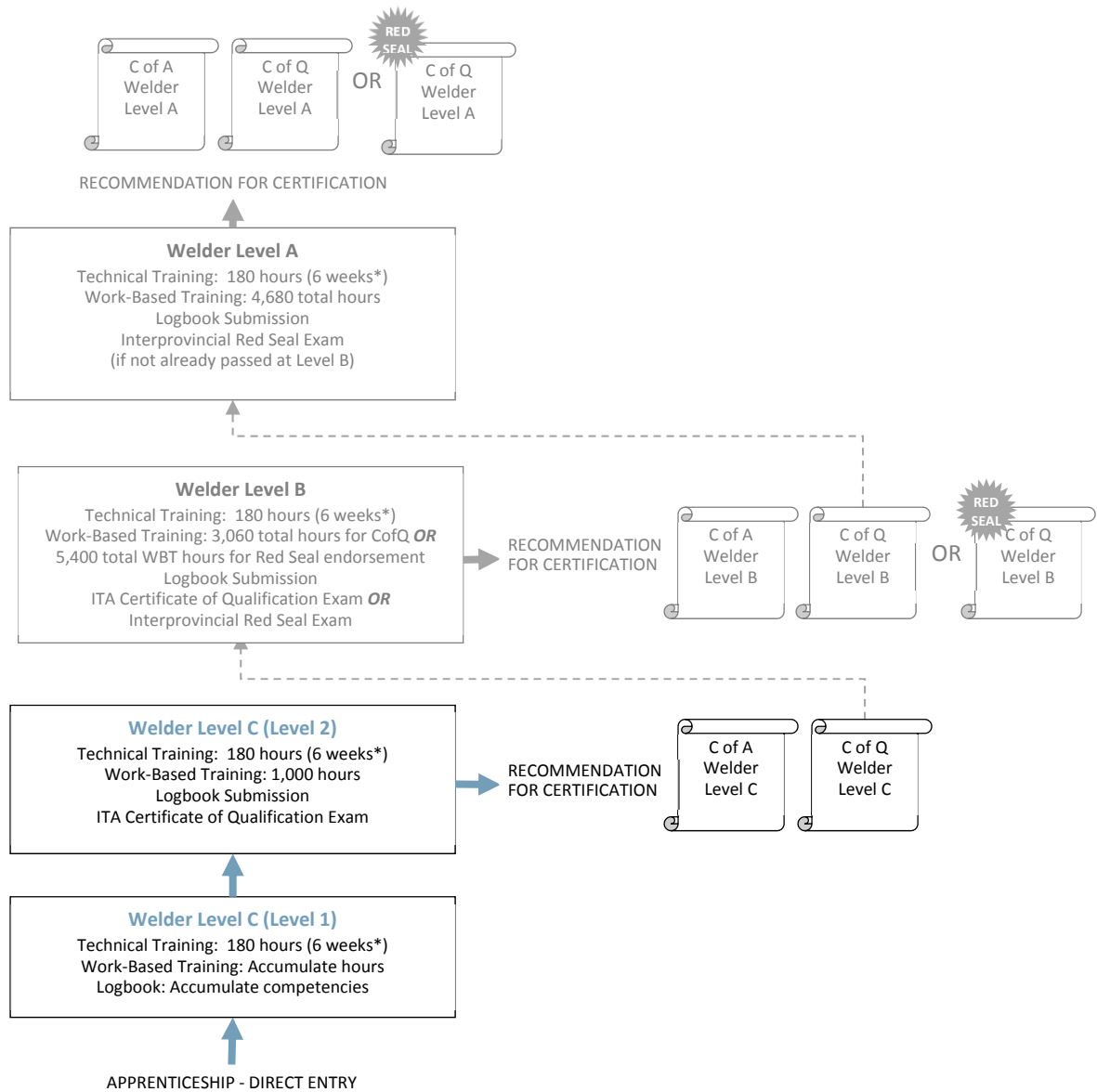
3. Challenge Pathway

Those who wish to challenge the Welder Level C certification must complete the *Welder Level C Challenge Application* and submit it to ITA. Challenge applications are assessed for proof of workplace hours and scope of experience prior to acceptance of the individual into the Challenge pathway. The Challenge Application form is available from the Welder program page on ITA's website.

Apprenticeship Pathway

This graphic provides an overview of the Welder Level C Apprenticeship pathway.

*C of Q = Certificate of Qualification
C of A = Certificate of Apprenticeship
WBT = Work-Based Training*



**Suggested duration based on 30-hour week*

CROSS-PROGRAM CREDITS

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

- None

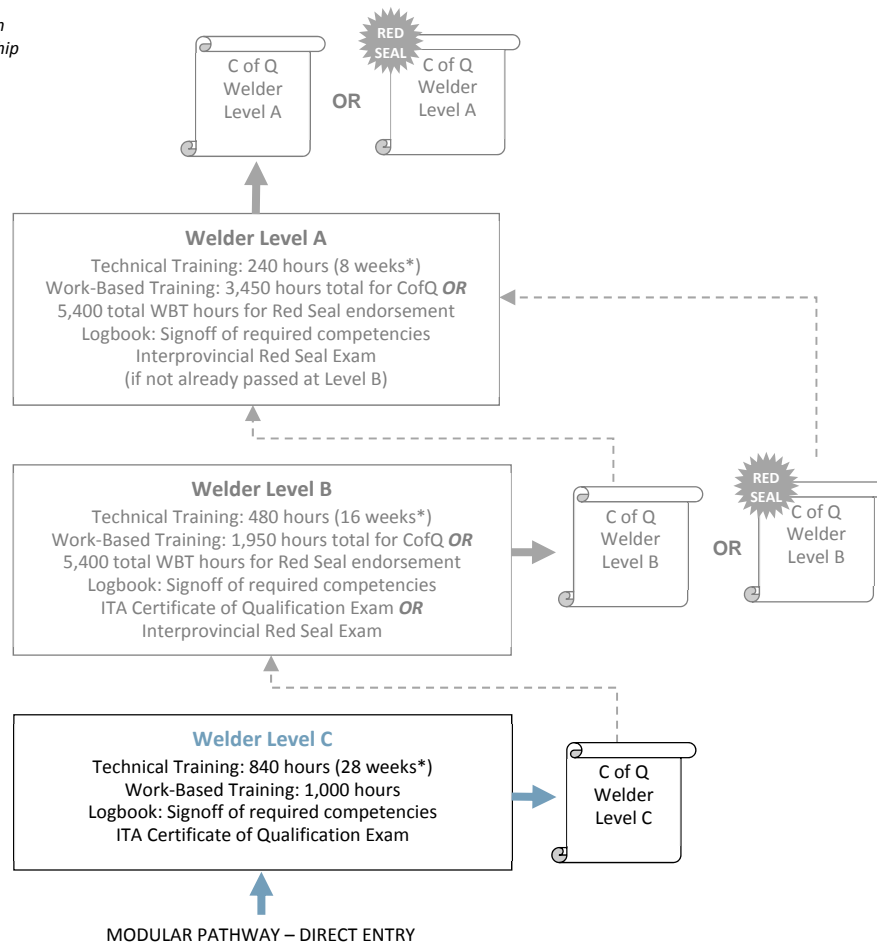
Apprenticeship Program Standards

Credentials Awarded	<ul style="list-style-type: none"> ▪ Welder Level C – Certificate of Qualification ▪ Welder Level C – Certificate of Apprenticeship 										
ITA Registration Prerequisites	<ul style="list-style-type: none"> ▪ Agreement signed by the employer to sponsor the apprentice 										
Completion Requirements	<p>Certification as a Welder Level C is awarded upon successful completion of:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Requirement</th> <th style="text-align: left;">Level of Achievement Required</th> </tr> </thead> <tbody> <tr> <td>Technical Training</td> <td> Minimum 70% in each level of technical training: <ul style="list-style-type: none"> ▪ Level 1: 180 hours (or 6 weeks*) ▪ Level 2: 180 hours (or 6 weeks*) </td> </tr> <tr> <td>ITA Certificate of Qualification Exam</td> <td> <ul style="list-style-type: none"> ▪ Minimum 70% </td> </tr> <tr> <td>Work-Based Training</td> <td> <ul style="list-style-type: none"> ▪ 1,000 hours </td> </tr> <tr> <td>Recommendation for Certification</td> <td> <ul style="list-style-type: none"> ▪ Recommendation for certification signed by the Sponsor and an individual holding credentials eligible for sign-off authority ▪ Submission of apprentice's logbook </td> </tr> </tbody> </table> <p style="text-align: center;"><i>(*Assuming 30 hours in school per week)</i></p>	Requirement	Level of Achievement Required	Technical Training	Minimum 70% in each level of technical training: <ul style="list-style-type: none"> ▪ Level 1: 180 hours (or 6 weeks*) ▪ Level 2: 180 hours (or 6 weeks*) 	ITA Certificate of Qualification Exam	<ul style="list-style-type: none"> ▪ Minimum 70% 	Work-Based Training	<ul style="list-style-type: none"> ▪ 1,000 hours 	Recommendation for Certification	<ul style="list-style-type: none"> ▪ Recommendation for certification signed by the Sponsor and an individual holding credentials eligible for sign-off authority ▪ Submission of apprentice's logbook
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ITA Certificate of Qualification Exam	<ul style="list-style-type: none"> ▪ Minimum 70% 										
Work-Based Training	<ul style="list-style-type: none"> ▪ 1,000 hours 										
Recommendation for Certification	<ul style="list-style-type: none"> ▪ Recommendation for certification signed by the Sponsor and an individual holding credentials eligible for sign-off authority ▪ Submission of apprentice's logbook 										
Program Duration	Duration varies depending on how training is delivered, but the program generally takes 1 year to complete.										
Sign-off Authority	<p>Credentials eligible to sign-off on the Recommendation for Certification:</p> <ul style="list-style-type: none"> ▪ Welder Level C – Certificate of Qualification ▪ Welder Level B – Certificate of Qualification ▪ Welder Level A – Certificate of Qualification ▪ Welder – Interprovincial Red Seal endorsement 										
Challenging a Level	<p>The following levels of technical training can be challenged for advanced placement in this program:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Level</th> <th style="text-align: left;">Prerequisites</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> ▪ None </td> <td> <ul style="list-style-type: none"> ▪ Not applicable </td> </tr> </tbody> </table>	Level	Prerequisites	<ul style="list-style-type: none"> ▪ None 	<ul style="list-style-type: none"> ▪ Not applicable 						
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Cross-Program Credits	<p>Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Credential</th> <th style="text-align: left;">Credit(s) Granted</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> ▪ None </td> <td> <ul style="list-style-type: none"> ▪ Not applicable </td> </tr> </tbody> </table>	Credential	Credit(s) Granted	<ul style="list-style-type: none"> ▪ None 	<ul style="list-style-type: none"> ▪ Not applicable 						
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Modular Pathway

This graphic provides an overview of the Welder Level C Modular pathway.

*C of Q = Certificate of Qualification
C of A = Certificate of Apprenticeship
WBT = Work-Based Training*



**Suggested duration based on 30-hour week*

CROSS-PROGRAM CREDITS

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

- None

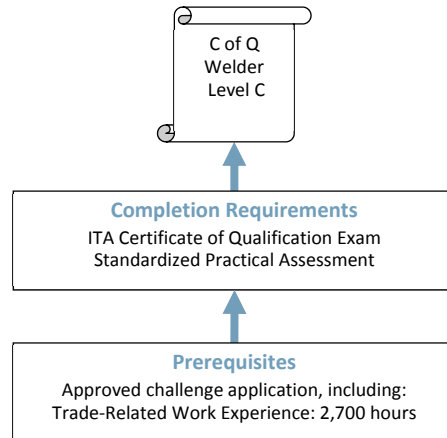
Modular Program Standards

Credentials Awarded	Welder Level C – Certificate of Qualification	
ITA Registration Prerequisites	Submit Modular Welder Registration form to ITA along with completed logbook for competency assessment	
Completion Requirements	Certification as a Welder Level C is awarded upon successful completion of:	
	Requirement	Level of Achievement Required
	Technical Training	Minimum 70% in technical training: <ul style="list-style-type: none"> ▪ In-school: 840 hours (28 weeks*) including practical assessments
	ITA Certificate of Qualification Exam	<ul style="list-style-type: none"> ▪ Minimum 70%
	Work-Based Training	<ul style="list-style-type: none"> ▪ 1,000 hours
	Logbook	<ul style="list-style-type: none"> ▪ Submission of completed logbook to ITA along with Modular Welder Registration form ▪ Signoff of required competencies
	<i>(*Assuming 30 hours in school per week)</i>	
Program Duration	Duration varies depending on how training is delivered, but the program generally takes 1 year to complete.	
Sign-off Authority	Sign-off is not required for this pathway.	
Challenging a Level	The following levels of technical training can be challenged for advanced placement in this program:	
	Level	Prerequisites
	<ul style="list-style-type: none"> ▪ None 	<ul style="list-style-type: none"> ▪ N/A
Cross-Program Credits	Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program	
	Credential	Credit(s) Granted
	<ul style="list-style-type: none"> ▪ None 	<ul style="list-style-type: none"> ▪ N/A

Challenge Pathway

This graphic provides an overview of the Welder Level C challenge pathway.

C of Q = Certificate of Qualification



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

Credentials Awarded	Welder Level C – Certificate of Qualification						
ITA Registration Prerequisites	An approved Challenge Application, which includes: <ul style="list-style-type: none"> ▪ 2,700 documented hours of directly related experience working in the occupation 						
Credit for Prior Learning	Individuals who hold the credentials listed below are considered to have met or partially met the prerequisites for challenging this program: <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="width: 50%;">Credential</th> <th style="width: 50%;">Credit(s) Granted</th> </tr> </thead> <tbody> <tr> <td>▪ None</td> <td>▪ N/A</td> </tr> </tbody> </table>	Credential	Credit(s) Granted	▪ None	▪ N/A		
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ITA Certificate of Qualification Exam	Minimum 70%						
Standardized Practical Assessment	Pass						



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Supporting Documents

Welder Level C Program Outline (2007) – Defines the full scope of knowledge and skills required to competently perform the occupation in BC. Available from the ITA website.

Contacts

The **Industry Training Authority** (ITA) manages B.C.'s industry training and apprenticeship programs. Contact ITA Customer service if you have any questions regarding registration, examinations or certification for this program.

Telephone: 778-328-8700
Toll Free (within BC): 1-866-660-6011
Website: www.itabc.ca

Fax: 778-328-8701
Email: customerservice@itabc.ca

Revision History

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

Program Standards Approved: March 2002
Updated: December 2006
February 2008

Program Profiles are updated regularly. Visit www.itabc.ca for the most current version.