

APPRENTICESHIP IN WELDING

At a Glance

Faculty

kpu.ca/trades (<http://kpu.ca/trades/>)

Area of Study:

kpu.ca/trades/welding (<http://kpu.ca/trades/welding/>)

Academic Level:

Vocational

Credential Granted:

Intake Type:

- Open

Description

In BC, an individual can become certified Welder by completing the Welder apprenticeship program. Apprenticeship programs are designed to provide students the full scope of knowledge and applied skills necessary to perform the occupation. Apprentices have an employer to sponsor them and are registered with SkilledTradesBC (<https://skilledtradesbc.ca/>).

KPU delivers in-school technical training for Welder apprenticeship levels 1, 2, 3 and Specialty Metals Endorsement program. The in-school technical training for level 1, 2, and 3 are 8 weeks in duration. Levels 1 and 2 include an end of level Certificate of Completion examination; level 3 includes the Red Seal examination. The Specialty Metals Endorsement program is for apprentices that have a Red Seal and is 5 weeks in duration. Additional information is available at: [kpu.ca/trades/welding](http://www.kpu.ca/trades/welding) (<http://www.kpu.ca/trades/welding/>).

The pathway to becoming a certified Welder generally takes 4 years to complete the in-school technical training and 4500 work-based training hours. Apprentices will be eligible to write the Red Seal Inter-provincial Examination upon successful completion of Level 3 in-school technical training and work-based hour requirements. The Red Seal endorsement is recognized in all jurisdictions across Canada; additional information is at: [red-seal.ca](http://www.red-seal.ca) (<https://www.red-seal.ca/eng/w.2lc.4m.2.shtml/>).

Apprenticeship and Modular Pathways

There are two pathways for progression beyond the Welding Foundation/ Welder C level. Students with an employer sponsor will progress to Welder Apprentice Level 3, followed by the Specialty Metals Endorsement. Students without an employer sponsor will progress to Welder Level B followed by Welder Level A.

Training Schedules

KPU apprentice training schedules and waitlists are published on the Registration Application (<https://reg-prod.ec.kpu.ca/StudentRegistrationSsb/ssb/registration/>). Additional apprenticeship training opportunities are listed on Trades Training BC (<https://www.tradestrainingbc.ca/>); this is the hub for BC's Public Trades Training Programs & Services.

Financial Supports for Apprentices

Apprentices may be eligible for financial support for the in-class portion of their training through the EPBC Apprentice Program Financial Supports. Application to this program must be made four to six weeks prior to the start of technical training. Information is available through WorkBC (<https://www.workbc.ca/discover-employment-services/apprentice-services/training-supports/>).

Apprentices must apply separately for Employment Insurance (EI) Benefits no later than the last week of work, or during the first week of training, or they will not be eligible to receive EPBC Apprentice Program Financial Supports. EI information can be obtained by visiting Service Canada (<https://www.canada.ca/en/employment-social-development/corporate/portfolio/service-canada.html>).

The Canada Apprentice Loan is an initiative of the Government of Canada. As of January 2015, apprentices can apply for up to \$4,000 in interest-free loans per period of in-school technical training. Information is available at the Canada Apprentice Loan Service Centre (<https://www.pca-cal.ca/en/Home/>).

Requirements

General Prerequisites

The following requirements apply:

- Completed KPU Apprentice Registration (<http://kpu.ca/trades/apprenticeship-registration/>).
- Active apprentice registration in the BC Apprenticeship system.
- Valid Trade Worker Identification number from SkilledTradesBC. If you do not have a SkilledTradesBC ID, you will need to complete an apprenticeship registration form through SkilledTradesBC (www.skilledtradesbc.ca (<https://skilledtradesbc.ca/>)) prior to enrolling (Level 1 through to 4). To determine your eligibility please consult with SkilledTradesBC.

Note: International student enrollment requires approval of the Dean.

Curricular Requirements

Note: KPU Tech does not permit students to register in Apprenticeship Levels out of sequence.

Code	Title	Credits
AWLD 1010	Welding: Apprenticeship Technical Training Level 1	0
AWLD 1020	Welding: Apprenticeship Technical Training Level 2	0
AWLD 1030	Welding: Apprenticeship Technical Training Level 3	0

Specialty Metals Endorsement

Details on the Special Metals Endorsement are currently under development. For up-to-date information, please see the Welding information page ([kpu.ca/trades/welding](http://www.kpu.ca/trades/welding/) (<http://www.kpu.ca/trades/welding/>)).

Credential Awarded

KPU will report your in-school technical training completion information to SkilledTradesBC in order for SkilledTradesBC to determine credit towards your designated apprenticeship.

Courses

AWLD 1010 0 credits

Welding: Apprenticeship Technical Training Level 1

In this level, apprentices will complete the learning objectives as defined in the Industry Training Authority Program Outline (July 2012) for Welder. Topics include: Occupational Skills, Oxy-Fuel Cutting and Gouging Processes, Fusion and Braze (TB) Using the Oxy-Fuel (OFW), Shielded Metal Arc Welding (SMAW) Welding Drawings, Electric Arc Cutting, Gouging and Related Processes, and Semi-Automatic Welding. Employment Insurance (EI) Eligibility Provincial program financial supports must be applied for online through the Apprentice Online Portal at apprenticeonline.gov.bc.ca. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

Level: VO

Prerequisite(s): 1. Valid Trade Worker ID Number (ITA ID #) 2. Active apprentice registration in the BC Apprenticeship system 3. Additional requirements mandated by the Industry Training Authority may be required, contact Apprenticeship Services for information.

AWLD 1020 0 credits

Welding: Apprenticeship Technical Training Level 2

In this level, apprentices will complete the learning objectives as defined in the Industry Training Authority Program Outline (July 2012) for Welder. Topics include: Occupational Skills, Shielded Metal Arc Welding (SMAW), Semi-Automatic Welding, Basic Metallurgy, Welding Drawings, Layout and Fabricate Components, and Submerged Arc Welding (SAW). Employment Insurance (EI) Eligibility Provincial program financial supports must be applied for online through the Apprentice Online Portal at apprenticeonline.gov.bc.ca. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

Level: VO

Prerequisite(s): 1. Valid Trade Worker ID Number (ITA ID #) 2. Active apprentice registration in the BC Apprenticeship system 3. Welding Foundation or Level 1 Technical Training 4. Additional requirements mandated by the Industry Training Authority may be required, contact Apprenticeship Services for information.

AWLD 1030 0 credits

Welding: Apprenticeship Technical Training Level 3

In this level, apprentices will complete the learning objectives as defined in the Industry Training Authority Program Outline (July 2012) for Welder. Topics include: Shielded Metal Arc Welding (SMAW), Semi-Automatic Welding, Basic Metallurgy, Gas Tungsten Arc Welding (GTAW), Welding Drawings, Layout and Fabricate Components, Quality Control and Inspection, Standards, Codes, Specifications and Welder Qualifications, and Specialized Processes. Employment Insurance (EI) Eligibility: Provincial program financial supports must be applied for online through the Apprentice Online Portal at apprenticeonline.gov.bc.ca. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

Level: VO

Prerequisite(s): 1. Valid Trade Worker ID Number (ITA ID #) 2. Active apprentice registration in the BC Apprenticeship system 3. Welding Foundation or Level 1 Technical Training and Level 2 Technical Training 4. Additional requirements mandated by the Industry Training Authority may be required, contact Apprenticeship Services for information.