

Welding Foundation Training

2017 - 2018 ADMISSION INFORMATION

A welder is 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.

In general, welders use manual or semi-automatic welding equipment to fuse metal pieces together. They use flame-cutting, brazing and soldering equipment. Heat is applied to the pieces to be joined, melting and fusing them to form a permanent bond. They use metal shaping machines such as brakes, shears and other metal straightening and bending machines. They generally plan work from drawings or by analyzing damaged metal, using their knowledge of welding and metals. Welders may specialize in certain types of welding such as custom fabrication, ship building and repair, pressure vessel welding, pipeline construction welding, structural construction welding or machinery and equipment repair welding.

Welders use blueprint symbols to determine machining operations. They check product specifications using precision measuring instruments, and maintain equipment and replace parts when required. They also transport materials to work areas using cranes or hoists.

Manual dexterity is important for workers in this trade. Good physical health and agility are necessary. Analytical ability and an understanding of computerized machinery are important. These workers must be able to read simple instructions and follow them precisely. They should enjoy routine tasks, and working with others. Good communication skills are also important. A willingness to continue training and taking specialized training courses is usually necessary in order to be successful. Most people in these occupations work 40 hours per week. Some mills and processing plants operate on shifts during days, nights and weekends.

Welding Foundation

Welding is an industrial art in a highly competitive field. The Welder Foundation student develops the high level of physical coordination and manipulative skills required for this trade through manual training. Gas welding and arc welding theory, basic metallurgy, basic blue print reading, applied mathematics and principles of safety are some of the technical subjects covered.

www.tru.ca/trades/foundation/welding/welder_foundation.html

Program Length & Intake Dates:

	Length (weeks)	Start Dates
Welding	26* 24	July 31, 2017 January 29, 2018

NOTE: Program lengths and start dates are subject to change.

Please review the following link for updated Foundation dates:

<http://www.tru.ca/trades/trades-information/foundation-training-dates.html>

*TRU is closed December 25, 2017 to January 2, 2018 for winter break

Hands-On

Students engage in extensive practical exercises to develop job readiness skills. Evaluation of the work term will be performed by industry and the program instructor. The results of the work term will become part of the student record.

General Requirements

- BC Grade 12
- Good physical health and agility
- Good manual dexterity

Required Equipment

Students are required to supply their own welding gloves, leather jacket, welding cap, goggles, helmet, and safety boots. Tool boxes and tools may be purchased at the Tool Room (TT252). Students will be provided with an extensive equipment list at time of registration in the program.

Admission Requirements

Academic Requirements:

- BC Grade 12, Adult Dogwood, Mature student status (or equivalent)
- Canadian Citizenship or Permanent Residence status
- Accuplacer Assessment. Please see chart below for acceptable scores on Entry Assessment

Program	Reading Comprehension	Sentence Skills	Arithmetic	Elementary Algebra
Construction Trades: • Carpentry/ Joinery • Residential/	65	60	65	40
• Plumber Pipefitter Steamfitter	75	—	65	40
• Electrical • Industrial Instrumentation Mechanic	75	70	75	50
Mechanical Trades: • Automotive Service Tech. • Industrial Mechanic (Millwright) Machinist	75	—	65	40
• Heavy Mechanical • Welding	55	—	55	30

Please contact the TRU Assessment Centre for information and testing times at assess@tru.ca or (250) 828-5470. The cost to write an Accuplacer test is \$35.00. Please note that out of town testing is available by contacting the Assessment Centre

www.tru.ca/assessment.html

How to Apply

1. **Submit your application** online through the ApplyBC website or by using the paper application form found at: www.tru.ca/admissions/apply
2. **Pay the application fee:** \$28.12 for Canadian citizens or permanent residents
Note: If you do not pay the application fee online, you must send payment to TRU Admissions (include your ApplyBC application # with payment). Your application is not processed until the application fee is received.
3. **Submit official high school transcripts.** For current high school students please submit interim Grade 11 grades and Grade 12 grades as you receive them.
4. **Submit any postsecondary transcripts**

Next Steps:

1. You will be contacted within 2 weeks to confirm we have received your application.
2. Once admissions has reviewed your application and applicable supporting documents, they will notify you about the admission decision.
3. Use the check-list in this package to make sure you have included all the supporting documents required for the program you are applying to. *For trades programs, seating is limited and allocated on a first come/first serve basis to students who have successfully met all program requirements.*
4. Once you have been admitted, you will have to pay a commitment fee of \$500.00 to confirm your spot and enable you to register in courses.

Need Help? Contact Us

Vera Mazzei, Trades & Technology Admissions TRU Registrar's Office Old Main Student Street, 900 McGill Road, Kamloops, BC V2C 0C8 Email : vmazzei@tru.ca	Office: 250-828-5046 Fax: 250-371-5960
TRU Assessment Center E-Mail: assess@tru.ca	250-828-5470
TRU Bookstore E-Mail: bookies@tru.ca	250-828-5141
TRU Campus Cashier	250-371-5646
TRU Student Awards & Financial Support E-Mail: awards@tru.ca	250-828-5024

For more information ...

TRU support services, including Disability Services, Counselling, and Student Awards and Financial Aid, Housing can be found at:

www.tru.ca/services

Trades & Technology Foundation Website:

www.tru.ca/trades/foundation

Industry Training Authority:

Website: www.itabc.ca

Phone: 1-866-660-6011

Program Application Admissions Checklist

Please check off and include all of the following:

- Application form
- Application fee \$28.12
- Official high school transcript & any post-secondary transcripts
- Assessment Test