

# Construction Foundation Training

## 2017-2018 ADMISSION INFORMATION

- ❖ **Carpentry and Joinery**
- ❖ **Electrical**
- ❖ **Industrial Instrumentation Mechanic**
- ❖ **Plumbing / Pipefitting / Steamfitter**
- ❖ **Residential Construction**

### Carpentry and Joinery Foundation

This 29 week program is an introduction to Cabinet Maker (Joiner) the carpentry and joinery trades. Students gain familiarity with the use of handtools, portable power tools and other equipment regularly used by carpenters and joiners. Students also have ample opportunities to work with the materials commonly used both trades. Theory and practice is offered to allow students to build numerous projects including stairs, forms for concrete, framed floors, walls, roofs, and simple cabinets.

The successful graduate will be allowed to write both the first year carpentry and joinery apprenticeship provincial exams. At that point students will have the option of entering either trade with the future potential of becoming dual ticketed.

[www.tru.ca/trades/foundation/joinery.html](http://www.tru.ca/trades/foundation/joinery.html)

### Electrical

This course is designed to prepare people for employment in the electrical or related trades. Electricians are skilled in installing, maintaining and repairing electrical apparatus in residential, commercial and industrial environments.

This course covers care and use of hand tools and electrical meters; installation and maintenance of electrical equipment; electrical theory and calculations; and the Canadian Electrical Code. Students engage in extensive practical exercises to develop their job readiness skills, such as motor control, cable tray, conduit and residential wiring.

Electricians are skilled in installing, maintaining, troubleshooting and repairing: electrical distribution systems, lighting, fire alarms, motor control components, motors, generators, programmable logic controllers (PLC's), distributed control systems, DC and AC power systems, and DC and AC speed drives. These skills are used in the industrial, commercial and residential environments. The journeyman electrician works in a challenging and rewarding trade where technology is constantly changing and competition is high.

[www.tru.ca/trades/foundation/electrical.html](http://www.tru.ca/trades/foundation/electrical.html)

### Industrial Instrumentation Mechanic Foundation

The Industrial Instrument Mechanic is a person who installs and maintains process monitoring and control instruments required for the automation of industrial processes. The instruments in the industrial environment include indicators, recorders, controllers transmitters and final control elements using electrical, electronic, pneumatic and hydraulic energy forms.

Industrial Instrumentation Mechanics in particular are still in high demand in the provinces' oil and gas sectors as well as mining. TRU offers Levels 1 & 2 of the apprenticeship program. Levels 3 & 4 will commence in 2017.

Computers and associated software will be highly emphasized in the program recognizing the advancement of computer controlled systems in both the electrical and instrumentation trade.

Trades persons in the industrial electrical or instrumentation trade are employed by maintenance departments of factories, mines, mills, ship yards, petrochemical and many other industrial enterprises.

[www.tru.ca/trades/foundation/im.html](http://www.tru.ca/trades/foundation/im.html)

### Plumber / Pipefitting / Steamfitter

This course is an introduction to the following trades: Gasfitting, Plumbing, Sprinkler System Installer & Steamfitter/Pipefitter.

Students gain familiarity with the hand and power tools used in the field. Hands-on use of the tools and piping materials like copper, cast iron, black iron, and plastics comprise about 50% of the course. Fixture installation is part of this as well. The other half of the course consists of pre-practical training, as well as safety, trade math, and science. The students will be actively involved in the plumbing of a house in the community, working with other trade entry students from carpentry and the electrical departments.

[www.tru.ca/trades/foundation/plumber\\_pipefitter.html](http://www.tru.ca/trades/foundation/plumber_pipefitter.html)

### Residential Construction

This program is an introduction to the carpentry trade. Students gain familiarity with the use of handtools, portable power tools and other equipment regularly used by carpenters. Students also have ample opportunities to work with the materials used by carpenters including lumber, panel products, concrete, roofing materials, fasteners, and a wide variety of hardware. Theory and practice is offered to allow students to build numerous projects including stairs, forms for concrete, framed floors, walls, and roofs. Students spend approximately 70% of their time building various projects of which the major project is a house built in the community. This carpentry program has built the YMCA Dream Home since 1999.

The successful graduate will be allowed to write both the first year and second year carpentry apprenticeship provincial exams. At that point students will have the option of entering the trade with the first two years of in-school training completed towards their apprenticeship.

[www.tru.ca/trades/foundation/carpentry.html](http://www.tru.ca/trades/foundation/carpentry.html)

## Program Length & Intake Dates:

	Length (weeks)	Start Dates
<b>Carpentry and Joinery</b>	29	
<b>Electrical</b>	24 26* 24	May 1, 2017 July 31 & Oct. 31, 2017 January 29, 2018
<b>Industrial Instrumentation Mechanic</b>	23* 21	August 21, 2017 January 29, 2018
<b>Plumbing Pipefitting Steamfitter</b>	27*	July 24, 2017
<b>Residential Construction</b>	32*	July 17, 2017 July, 2018

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

**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>

## 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
<b>Construction Trades:</b> •Carpentry/ Joinery •Residential/	65	60	65	40
•Plumber Pipefitter Steamfitter	75	—	65	40
•Electrical •Industrial Instrumentation Mechanic	75	70	75	50
<b>Mechanical Trades:</b> •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](mailto: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](http://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](http://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

<b>Vera Mazzei,</b> <b>Trades &amp; Technology Admissions</b> <b>TRU Registrar's Office</b> Old Main Student Street, 900 McGill Road, Kamloops, BC V2C 0C8 <b>Email :</b> <a href="mailto:vmazzei@tru.ca">vmazzei@tru.ca</a>	<b>Office:</b> 250-828-5046  <b>Fax:</b> 250-371-5960
<b>TRU Assessment Center</b> E-Mail: <a href="mailto:assess@tru.ca">assess@tru.ca</a>	250-828-5470
<b>TRU Bookstore</b> E-Mail: <a href="mailto:bookies@tru.ca">bookies@tru.ca</a>	250-828-5141
<b>TRU Campus Cashier</b>	250-371-5646
<b>TRU Student Awards &amp; Financial Support</b> E-Mail: <a href="mailto:awards@tru.ca">awards@tru.ca</a>	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](http://www.tru.ca/services)

**Trades & Technology Foundation Website:**

[www.tru.ca/trades/foundation](http://www.tru.ca/trades/foundation)

**Industry Training Authority:**

**Website:** [www.itabc.ca](http://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