

# Mechanical Foundations Training

## 2017-2018 ADMISSION INFORMATION

- ❖ **Automotive Service Technician**
- ❖ **Industrial Mechanic (Millwright) Machinist**
- ❖ **Heavy Mechanical**

Foundation Training programs at Thompson Rivers University are recognized by the Industry Training Authority of BC (ITA), and offer entry-level, school-based training that give trainees the knowledge and essential skills needed for entry into a particular industry occupation. They are designed for those seeking basic entry-level skills to work in a specific trade of their choice but are not presently indentured into an Apprenticeship program. This program prepares students for entry into the Apprenticeship Program, and in most cases will lead to first year technical training credit (Residential Construction offers first and second years of technical training credit).

Foundation programs involve limited on-the-job training, and trainees do not require an employer/sponsor to participate.

### Automotive Service Technician

This program is designed to take a student with little or no experience in the automotive field and give them the necessary skills for employment as an apprentice mechanic in the Automotive Service Technician trade. Apprenticeship technical training credit for 1st year will be granted upon successful completion of the program.

General shop practice, automotive fundamentals, engines, basic test equipment, electrical systems, running gear, clutches, transmissions, rear axles, steering systems and braking systems, applied mathematics and safety education will be covered. Strong emphasis is placed on practical training with numerous hands-on projects. Graduates should be able to develop enough skills to be hired on as an immediately productive employee - reducing the need for employers to invest further time and resources into training a new apprenticeship candidate.

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

### Industrial Mechanic (Millwright) Machinist

The School of Trades and Technology at TRU offers a 24 week Industrial Mechanic (Millwright) Foundation Certificate Program.

This program is intended for those without prior experience in the Industrial Mechanic (Millwright) field. Students will be introduced to and trained to perform the following skills safely; dismantle, install, set up, repair, overhaul and maintain machinery and heavy mechanical equipment. This includes; power transmissions, conveyers, hoists, pumps, compressors, alignment, fluid power and performing vibration analysis.

<http://www.tru.ca/trades/trades-programs/industrial-mechanic-millwright.html>

### Heavy Mechanical

The Heavy Mechanical Foundation program supports pre-apprenticeship training for all four of the heavy mechanical trades. Credit is granted for Level One technical training and 450 hours of work based training time toward each of the four trades:

**Heavy Duty Equipment Technician** (formerly Heavy Duty Equipment Mechanic) Is a person who maintains, manufactures, overhauls, reconditions and repairs equipment powered by internal combustion engines or electricity and without limiting the foregoing, including graders, loaders, shovels, tractors, trucks, forklifts, wheeled and tracked vehicles of all types used in construction, logging, sawmill, manufacturing, mining and other similar industry.

**Truck and Transport Mechanic** (formerly commercial Transport Vehicle Mechanic) Is a person who maintains, rebuilds, overhauls, reconditions does diagnostic troubleshooting of motorized commercial truck, bus, and road transport equipment.

**Diesel Engine Mechanic:** "Diesel Engine Mechanic" means a person who installs, repairs, and maintains all internal combustion diesel engines and components used in transport, construction and marine.

**Transport Trailer** (formerly Commercial Transport Mechanic) Is a person who maintains, rebuilds, overhauls, reconditions, and does diagnostic trouble shooting and repairs of commercial truck and trailers.

Foundation programs cover all aspects necessary for graduates to enter the trade as an apprentice. That is, the program is a preapprentice/trade entry, and does not require any previous experience or training in the industry. Strong emphasis is placed on practical training with numerous hands-on projects. Graduates should be able to develop enough skills to be hired on as an immediately productive employee - reducing the need for employers to invest further time and resources into training a new apprenticeship candidate.

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

### Program Length & Commencement Dates

	Length (Weeks)	Start Date
<b>Automotive Service Technician</b>	29*	September 5, 2017
<b>Heavy Mechanical</b>	38*	July 31, 2017
	36	October 30, 2017 January 29, 2018
<b>Industrial Mechanic (Millwright) Machinist</b>	22	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

# 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