

**TRU Career Technical Centre**  
*“bridging secondary and post-secondary education”*  
**Foundation Trades Training for Secondary School Students**

## **TRU HEAVY DUTY/COMMERCIAL TRANSPORT MECHANIC PROGRAM**

### **Program Description:**

This foundation program is a mandatory prerequisite for the Heavy Duty Mechanic and Commercial Transport Mechanic Apprenticeship Programs, and provides basic knowledge in the area of inspection, repair and maintenance of buses, highway tractors, heavy off-road equipment such as bulldozers, loaders, shovels, trucks, wheeled-earthmovers and tracked-earthmovers.

Training topics for this trade-entry program include:

- Safe Work Practices
- Hydraulic Systems
- Winches and Working Attachments
- Diesel Engines: Theory
- Diesel Engines: Basic Fuel Systems
- Engine Support Systems
- Electrical and Electronic Systems
- Transmissions: Standard, Automatic & Power shift
- Wheel Machine – Differentials, Final Drives, Tires and Wheels
- Steering, Braking and Suspension Systems
- Track-type Undercarriage and Final Drives

### **Benefits of Attending this Foundation Program as a CTC student:**

- Early admission to post-secondary studies while still in secondary school
- **No post-secondary tuition fees while attending TRU as a CTC student (a savings of over \$2,900).** Students are responsible for some program costs – such as books and/or training guides, personal safety equipment – see page 2 of the application for details.
- Obtain thirty-two Grade 12 credits for your secondary school diploma, the TRU Heavy Duty / Commercial Transport Mechanic Foundation Training Certificate **and** credit for Module One technical training of the Heavy Duty Equipment Technician or Truck and Transport Mechanic Apprenticeship, all in one school year!
- Get a jump-start into a meaningful trade career.

### **Who is Eligible to Apply for the TRU Heavy Duty / Commercial Transport Mechanic Foundation Program – 2010 CTC Intake?**

- There are ten (10) CTC seats available for the August 2011 start, and five (5) for the February 2012 class for this program (subject to funding).
- Students must be born after September 30, 1992 to allow them to participate in post-secondary training during their Grade 12 school year.
- Students attending an SD58, SD73, SD74 or SD83 Secondary School, who are currently in Grade 10, are eligible to apply prior to the **early application deadline of April 8, 2010**. Grade 10 students from other BC school districts and independent schools should contact their school counsellor to discuss their eligibility. If approved, the student should then submit an application prior to the early application deadline to be eligible for selection for any CTC seats remaining after the SD83, SD58, SD73 and SD74 CTC seat assignments are completed.
- CTC applications received after the April 8, 2010 early application deadline will be assessed on a first-come-and-qualified, first-served basis. Qualifying students will be assigned to any remaining CTC seats or added to the program waitlist.

*\*\*\* Program subject to funding approval by the ITA and TRU \*\*\**

# TRU Heavy Duty/Commercial Transport Mechanic Program

## What credentials can I earn with this Foundation Program?

Upon successful completion of this program, the student will obtain the TRU Heavy Duty / Commercial Transport Mechanic Foundation Certificate. ITA will grant Module One technical training credit and 600 work-based hours credit toward completion of Module 1 Apprenticeship requirements.

## What further training do I qualify for?

Module 1 is a prerequisite for both the Heavy Duty Mechanic and the Truck & Transport Mechanic apprenticeship programs unless exemption is requested by the sponsoring employer. Once indentured as an apprentice, (see <http://www.itabc.ca/> for more info), the student will be eligible to enter the second level of apprenticeship training. Upon successful completion of the remaining 4 levels of the apprenticeship program, as well as the necessary work experience hours, the apprentice will be eligible to write the inter-provincial exam to gain journeyman certification. Journeymen in Heavy Duty Mechanics and Commercial Transport Mechanics may choose to specialize in one aspect of the trade, such as service technician, engine technician, power train technician or electrical technician.

## How do I Apply?

CTC application forms and brochures are available via the TRU Transitions Webpage:

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

Contact your local school counselor to assist you with the application process. If you require further information, please contact Leslie Matthews: (250) 828-5109 or email: [ctc-kamloops@tru.ca](mailto:ctc-kamloops@tru.ca).

## Application Requirements:

- Full Grade 9 background (with no failed core courses) and maintain a passing grade level in current Grade 10 studies
- Interview with secondary school counsellor (to select courses and review the CTC application)
- All sections of the CTC application form must be completed, a copy of the final Grade 9 and current Grade 10 report cards & attendance records.

## Prerequisites for the Start of Post-Secondary Training:

### Admission Requirements:

- A full Grade 10 background (no failed core courses)
- Students will successfully complete all Grade 11 and 12 core courses during their Grade 11 school year  

It is strongly recommended that a student obtain a minimum C+ average in:  
Applications or Principles of Math 11  
*see last page of this brochure for more details regarding Math options*  
English 12 or Communications 12  
(Physics 11 and Physics 12 also recommended)
- Student must write the Accuplacer Exam by March 10, 2011 and must obtain a successful placement no less than 60 days prior to start of training.
- Student must provide a current secondary school transcript prior to the start of post secondary training.

# TRU Heavy Duty/Commercial Transport Mechanic Program

## CTC Two-Year Training Schedule:

**September 2010 – June 2011:**

- Complete all Grade 11 and 12 core courses required for graduation plus the electives of your choice

**By March 10, 2011:**

- Obtain satisfactory score on Accuplacer exam( see next page)

**Spring 2011:**

- IF Accuplacer scores are not acceptable, student has the option to take the necessary Math or English upgrading courses during the spring of 2011 – student must commit in writing to this upgrading by April 15, 2011 to maintain his/her seat in the program. Student is responsible for booking and paying for any Accuplacer rewrites necessary. A successful Accuplacer rewrite is required no later than 60 days prior to the start of Post Secondary training.

**June 2011:**

- Prior to the start of post-secondary training, student and parent/guardian must attend a Heavy Duty/Commercial Transport Mechanic Foundation Program Orientation session
- During the orientation session, the instructor will confirm the list of materials the student must purchase (i.e. CSA work boots and clear safety glasses, coveralls, learning guides and manuals, calculator, etc. ) (Approximate cost: \$1,200.00)
- Student will be required to pay the TRU \$25 application fee at this time – see page 2 of the CTC application for more details on program costs that the student must be responsible to pay.

### **Option 1 – Fall 2011 Training –10 CTC seats available (subject to funding)**

**August 2011 – May 2012:**

- Complete Heavy Duty/Commercial Transport Mechanic Foundation Program at TRU Kamloops (student is responsible for transportation/accommodations costs)
- 4 week work practicum (subject to scheduling decisions)
- Student will receive thirty-two Grade 12 credits upon receipt of the TRU Heavy Duty / Commercial Transport Mechanic Foundation Certificate.

**Summer 2012:**

- Find an employer who will hire and indenture you as their Heavy Duty or Commercial Transport Mechanic apprentice, and complete your apprenticeship over the next 3-4 years as either a Heavy Duty Mechanic or a Commercial Transport Mechanic.

### **Option 2 – Winter 2012 Training – 5 CTC seats available (subject to funding)**

**September 2011 – January 2012:**

- Complete four Grade 11/12 courses of your choice at your local secondary school

**February – October 2012:**

- Complete Heavy Duty/Commercial Transport Mechanic Foundation Program at TRU Kamloops (student is responsible for transportation/accommodations costs)
- Student will receive thirty-two Grade 12 credits upon receipt of the TRU Heavy Duty / Commercial Transport Mechanic Foundation Certificate.

**Winter 2012/13:** refer to summer 2012

**NOTE: Final funding & scheduling decisions may affect seat availability, training length (which may affect start/end dates). Delivery of all programs is subject to funding approval by the Industry Training Authority and TRU.**

## Entrance Requirements for TRU Mechanical Programs

The TRU Mechanical Trades Faculty has set the entrance requirements for admission to the Foundation Mechanical programs. The following information provides details of these requirements:

- **Accuplacer Exam:** All 2010 CTC applicants for Mechanical Foundation programs must write the Accuplacer exam. Applicants must obtain the minimum placement level on the Accuplacer exam, as indicated below.
- **Writing the Accuplacer Exam:** **All 2010 CTC applicants must write the Accuplacer exam no later than March 10, 2011.** Students write the Accuplacer exam at the TRU Assessment Centre. Students are advised to contact the TRU Assessment Centre early in February 2011: by phone (250) 828-5470 or email [assess@tru.ca](mailto:assess@tru.ca) to book their time. When booking, students must identify themselves as 'CTC' students to be sure the results are reported to the CTC/Transitions office. Applicants are responsible for the Accuplacer exam fee (currently \$35). Detailed information about Accuplacer testing at TRU is available on the TRU Assessment Centre website at:

[http://www.tru.ca/student-services/assmnt/tru\\_entry\\_assessments.html](http://www.tru.ca/student-services/assmnt/tru_entry_assessments.html)

Required Placements for the Accuplacer Exam:	Math*	English*
Heavy Duty/Commercial Transport Mechanic	0400	0400
Automotive Service Technician	0500	060
Power Sports and Marine Equipment Technician	0400	0400
Warehousing - Partsperson	0400	0400
Welding Level C	0400	0400

(\*0400 is approximately equivalent to Grade 10, 0500 Grade 11 and 0600 Grade 12)

**Note:** *IF* Accuplacer scores are not acceptable, student has the option to take the necessary Math and/or English upgrading courses during April - June 2011 – student must commit in writing to this upgrading by April 15, 2011 to maintain his/her seat in the program. Student is responsible for booking and paying for any Accuplacer rewrites necessary. A successful Accuplacer rewrite is required no later than 60 days prior to the start of Post Secondary training.

### Math Requirement:

- Applications of Math 11 or Principles of Math 11 are accepted for these programs.
- Essentials of Math 11 will be accepted under the following conditions:
  - The student should obtain a minimum 65% final mark for Essentials of Math 11 plus obtain a minimum 60% average for all other Grade 11 & 12 core courses.
  - The student must obtain a minimum 0400 Math placement on the Accuplacer exam (0500 for Automotive)

### Grade 12 Requirement:

CTC applicants must complete their Grade 11 and 12 core courses, prior to the beginning of their post-secondary Foundation trades training.

**Note:** Effective April 9, 2010, any remaining CTC seats for the 2010 Intake will be assigned on a first-come-and-qualified, first-served basis... completed applications should be submitted to TRU Transitions, attn: Leslie Matthews (250) 828-5109 fax 828-5492, ASAP!

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