

Automotive Service Technician

Foundation Training for Secondary School Students

Hosted by School District No. 73 and Thompson Rivers University

Program Description:

This course prepares students for employment as apprentices in the Automotive Mechanical Repair trade. Employment locations are usually indoors and range from a small repair shop or service station doing general mechanical repairs to the complex service department of a large automobile dealership.

Automotive Service Technicians often use computerized diagnostic equipment to test, adjust and repair key vehicle components such as engines, steering systems, braking systems, drive trains, vehicle suspensions and electrical systems. The work also involves reassembling and testing repaired items against manufacturers' standards, as well as performing preventative maintenance such as wheel alignments, oil changes and tune-ups. Service techs also advise customers on the work performed, general vehicle conditions and future repair requirements.

Course Content:

General Shop Skills:

- General shop practice, including electronic work orders and parts invoicing
- Applied mathematics
- Safety training

Maintenance and Repair:

- Use of basic test equipment, including computerized engine scanners
- General shop practice, including electronic work orders and parts invoicing
- Tires and wheel alignment
- ABS, disc and standard braking systems
- Electrical systems
- Basic engine electronics
- Suspension and steering systems
- Standard and power steering pumps

Optional topics as time permits: Tune-ups; Fuel injection, basic power flow - standard transmissions; drive line, including differentials

Benefits of Participating in a SD 73/TRU – Hosted Foundation Program:

- Early admission to post-secondary studies while still in secondary school
- **No post-secondary tuition fees while enrolled in a SD 73/TRU Foundation Program (a savings of over \$1,900)** 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 twenty-eight Grade 12 credits for your high school diploma, the TRU Automotive Service Technician certificate AND credit for Level One technical training of an Automotive Service Technician Apprenticeship all in one school year!
- Get a jump-start into a meaningful trade career

Who is Eligible to Apply for this 2009 SD 73/TRU - hosted Foundation Program?

- There are six (6) seats available for secondary school students for this program (subject to funding)
- Students attending an SD 27, SD58, SD 73 or SD 74 Secondary School, who are currently in Grade 10, are eligible to apply prior to the **early application deadline of April 9, 2009**. Grade 10 students from other school districts should contact their school counsellor to discuss their eligibility. If approved by the local district, the student should then submit an application prior to the early application deadline to be eligible for selection for any seats remaining after the early application seat assignments are completed.
- Applications received after the April 9, 2009 early application deadline will be assessed on a first-come-and-qualified, first-served basis. Qualifying students will be assigned to any remaining seats or added to the program waitlist.

SD 73/TRU-Hosted Automotive Service Technician Foundation Training

What credentials can I earn with the SD 73/TRU-Hosted Foundation Program?

- Upon completion of this program, the student will obtain the TRU Automotive Service Technician Certificate. With the TRU Automotive Service Technician Certificate, the student may be granted by the Industry Training Authority, up to full credit, for Level One technical training, of the Automotive Service Technician apprenticeship.

What further training do I qualify for?

Upon becoming indentured as an apprentice, receiving ITA credit for first level apprenticeship technical training, and fulfilling the first level apprenticeship work experience requirement, the student will be eligible to enter the second level of apprenticeship training. Upon successful completion of the second, third and fourth levels of the apprenticeship program, the student will be eligible to write the inter-provincial exam to gain journeyman certification. Automotive Service Technician is a nationally designated trade under the Inter-provincial Red Seal program.

How do I Apply?

SD 73/TRU application forms and brochures are available via the SD 73/TRU Transitions Webpage:

www.tru.ca/trades/transition

Contact your local school counsellor to assist you with the application process. If you require further information, please contact Leslie Matthews: (250) 828-5109 or email: ljmatthews@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 SD 73/TRU application)
- All sections of the SD 73/TRU 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
- Student will ensure all Grade 10 and 11 report cards & attendance records are faxed to the SD 73/TRU Transitions office, attn: Leslie Matthews, (250) 828-5492, as soon as they are available.
- Student must write the Accuplacer Exam by March 11, 2010 and must obtain a successful placement no less than 30 days prior to start of training.

SD 73/TRU-Hosted Automotive Service Technician Foundation Training

Two-Year Training Schedule:

September 2009 – June 2010:

- Complete Grade 11 & 12 core courses and the electives of your choice

By March 11, 2010:

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

Spring 2010:

- IF Accuplacer scores are not acceptable, student has the option to take the necessary Math or English upgrading courses during the spring of 2010 – student must commit in writing to this upgrading by April 17, 2010 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 30 days prior to the start of Post Secondary training.

June 2010:

- Prior to the start of post-secondary training, student and parent/guardian must attend an Automotive Service Technician 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 safety glasses, coveralls, learning guides and manuals, calculator, etc.)
- Student will be required to pay the TRU \$25 application fee at this time – see page 2 of the SD 73/TRU application for more details on program costs that the student must be responsible to pay.

August 24, 2010 – April 2011:

- Complete Automotive Service Technician Program at TRU Kamloops (student is responsible for transportation/accommodations costs)
- Student will receive twenty-eight Grade 12 credits upon completion of the TRU Automotive Service Technician Certificate

April 2011

- Two week work practicum (subject to scheduling decisions)

Summer 2011

- Find an employer who will hire and indenture you as an their Automotive Service apprentice, submit a copy of your TRU Automotive Service Technician certificate with your apprenticeship application to the Industry Training Authority, and request confirmation from the ITA that they will grant you credit for the first level technical training for Automotive Service Technician apprenticeship.

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

Entrance Requirements for: SD 73/TRU – Hosted Foundation Training Mechanical Programs

“bridging secondary and post-secondary education”

The TRU Mechanical Trades Faculty has set the entrance requirements for secondary school students who are applying for any of the 2009 SD 73/TRU-hosted Foundation Mechanical programs. The following information provides details of these requirements:

- **Accuplacer Exam:** Applicants for all 2009 SD 73/TRU hosted Foundation programs must write the Accuplacer exam. For Mechanical programs, applicants must obtain the minimum placement level on the Accuplacer exam, as indicated below.

- **Writing the Accuplacer Exam:**
Applicants will write the Accuplacer exam by March 11, 2010. Students write the Accuplacer exam at the TRU Assessment Centre. Booking is done through the TRU Assessment Centre Coordinator, Cindy James - phone: (250) 828-5471 or email cjames@tru.ca. Applicants are responsible for the Accuplacer exam fee (currently \$30). Detailed information about Accuplacer testing at TRU is available on the TRU Assessment Centre website at:

www.tru.ca/staffairs/assmnt/testservice/accuplacer.html

SD 73/TRU-hosted Foundation Mechanical Trade Entrance Standards

| • Required Placements for the Accuplacer Exam: | Math* | English** |
|---|--------------|------------------|
| Automotive Service Technician | 050 | 060 |
| Heavy Duty/Commercial Transport Mechanic | 050 | 050 |
| Parts and Warehousing | 050 | 050 |
| Power Sports and Marine Equipment Technician | 050 | 050 |
| Welding Level C & Metal Fabrication | 050 | 050 |

*(*050 is approximately equivalent to Grade 11)*

- **Math Requirement:**
 - **Applications of Math 11 or Principles of Math 11 are strongly recommended** 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 050 Math placement on the Accuplacer exam

- **Grade 12 Requirement:** Applicants must complete their Grade 11 and 12 core courses during their Grade 11 school year.

Note: Effective April 10, 2009, any remaining seats for the 2009 SD 73/TRU-hosted Foundation programs will be assigned on a first-come-and-qualified, first-served basis... so completed applications should be submitted to SD 73/TRU Transitions, attn: Leslie Matthews (250) 828-5109 fax 828-5492, ASAP!