

AUTOMOTIVE SERVICE TECHNICIAN

Credential Issued:

ITA Certificate of Qualification (Automotive Service Technician)
Inter-Provincial Red Seal Endorsement (Automotive Service Technician)
(Persons completing a formal apprenticeship also receive a Certificate of Apprenticeship)

Occupational Description:

“Automotive Service Technician” means a person who repairs, adjusts and replaces mechanical and electrical parts of automobiles and light trucks in a retail automotive business. “Retail Automotive Business” means a business whose primary mechanical repair work is repairing and adjusting vehicles whose gross vehicle weight is under 5,500 kg.

Program Duration & Structure:

The program will be delivered in a variety of formats combining in-school and work-based training, all designed to meet the competency standards and profile defined by the industry, and will generally take 4 years to complete. The program includes:

- In-school: 24 weeks* (approximately 6 weeks per level)
- Work-based: 6480 hours

*The in-school / technical training requirement is typically met through block release training delivered by an ITA approved training provider. It can also be met through approved alternative training models (e.g. distance education, part-time) and / or level challenge exam where these options are available.

Program Completion Requirements:

Completion of 6480 workplace hours:

- Sponsor attestation

Completion of technical training: (Requirement can be met through challenging a level exam where available)

- Level 1 - practical assessments and written level examination
- Level 2 - practical assessments and written level examination
- Level 3 - practical assessments and written level examination
- Level 4 - practical assessments and written level examination

Inter-Provincial Red Seal Examination

Program Challenge Requirements:

- 9720 documented hours of directly related work experience required to challenge Inter-Provincial Red Seal examination.

Program Pre-requisites:

- Recommended Education - Grade 12 or equivalent including English 12, Algebra 11 or Trade Mathematics 11 and Physics 11 or Science and Technology 11.

Assessment Methods:

- In-school assessments (practical and written exams)
- Work-based assessments (practical)
- Final Assessment (Inter-Provincial Red Seal written examination)
- Levels 1, 2 & 3 exams available for challenge

Linkages to Other Credentials:

<i>Cross Program Credit</i>
<ul style="list-style-type: none"> ▪ Holders of a BC Certificate of Qualification in Heavy Duty Mechanic and Commercial Trailer Mechanic may be eligible to receive practical experience credit and technical training credit.
<ul style="list-style-type: none"> ▪ Holders of a Canadian military trade qualification as a Vehicle Technician (411 – Pay Level 5) are eligible to receive practical experience credit (for IP challenge) for all documented work experience (1600 hours equals 1 year)
<ul style="list-style-type: none"> ▪ Corrections Canada / BC Work Experience Program participants are eligible to receive practical experience credit for all documented work experience (1,600 hours equals 1 year)

Prior Learning Assessment:

n/a

Program Standards Documentation:

- National Occupational Analysis (2005) www.red-seal.ca
- Program Outline

Industry Program Standards Mechanism:

Automotive Training Standards Organization (ATSO) info@autoapprentice.com

Program Providers:

Institution-based component of the program is delivered by public post-secondary institutions (see www.educationplanner.bc.ca/apprenticeship.cfm for a list of schools), private training institutions, and secondary schools that have been approved by ITA .

Technical Training Content:

Level 1

Safe Work Practices
Wheels, Hubs, Tires and Bearings
Frames and Suspension Systems
Manual and Power Steering
Brake Systems
Basic Electrical and Batteries

Level 2

Gasoline Engines
Diesel Engines
Cooling Systems
Exhaust Systems
Engine Lubrication Systems
Auxiliary Electrical
Air Conditioning and HRAI ODS Course
Diesel Fuel Injection Systems
Starting Motors and Circuits
AC Charging Systems

Level 3

Standard and Electronic Ignition Systems
Fuel Systems
Emission Control Systems
Electronic Engine Controls

Level 4

Clutches, Standard Transmissions/Transaxles and
Manual Overdrive
Test and Service Transfer Cases
Test and Service Automatic Transmissions
Air Care Program
Test and Service Drive Lines
Test and Service Drive Axles and Differentials

IP Examination Competencies:

1. Occupational Skills 8%
2. Engine Systems 18%
3. Vehicle Management Systems 19%
4. Drive Line Systems 14%
5. Electrical and Comfort Control Systems 15%
6. Steering, Suspension & Braking and Control Systems 19%
7. Body Components, Trim and Restraint Systems 7%

Approved: March 2002 (ITAC)

Updated: January 2006 (ITA)