

# Automotive Service Technician

## Interprovincial Journeyperson Examination Information

<b>Apprentice Requirements:</b>	4 years and 7200 hours
<b>Tradesperson Requirements:</b>	6 years and 10800 hours
<b>Practical Examination:</b>	No

The interprovincial (IP) journeyperson examination for this trade is developed by a national committee of worker and employer representatives. The content for IP Examinations is drawn from the Red Seal Occupational Standard (RSOS) for that trade and is based on industry's standards and expectations. You can download and print a free copy of the RSOS from the Red Seal website by visiting [www.red-seal.ca](http://www.red-seal.ca).

To write the interprovincial journeyperson examination, you must either successfully complete an apprenticeship training program or meet tradesperson eligibility requirements. The pass mark is 70%.

### **Red Seal Examination preparation resources:**

To assist in the understanding of the development of all Interprovincial Red Seal examinations, Employment and Social Development Canada (ESDC) has developed the following information.

- A short explanation of the role of an occupational standard in the development of a Red Seal examination can be accessed on the Red Seal website at the following link: <http://www.red-seal.ca/resources/wh.1t.3sn.4.1-eng.html>
- The Getting Ready for the Examination document can be accessed through the Red Seal website at the following link: <http://www.red-seal.ca/docms/getready-eng.pdf>
- Red Seal examination sample questions can be accessed on the Red Seal website at the following link: [http://www.red-seal.ca/resources/s.1mpl.2\\_q.5.2st.3.4ns-eng.html](http://www.red-seal.ca/resources/s.1mpl.2_q.5.2st.3.4ns-eng.html)
- A trade specific skills assessment tool is available on the Red Seal website at the following link: <https://www.red-seal.ca/docms/auto-serv-tech/self-assessment.pdf>.

Use of cell phones, electronic imaging/recording or communication equipment is **not** permitted. You will be required to leave immediately if any of these items are found on your person.

Please note that examinations and study information change frequently. The most recent information is available on our website at [www.saskapprenticeship.ca](http://www.saskapprenticeship.ca).

# Automotive Service Technician - Red Seal Examination Breakdown

An Interprovincial Red Seal examination is based on the Red Seal Occupational Standard (RSOS) for the trade. The RSOS describes the skills and knowledge required to perform the duties of the trade. Each standard is divided into Major Work Activities (MWA), which are divided into Tasks, which are divided into Sub-tasks.

The Red Seal examination has a certain number of questions assigned to these sections. The number of questions is provided below. For more information, see the full Red Seal Occupational Standard for this [trade](#).

**Total number of questions on the Interprovincial Red Seal examination - 125 questions\***

Subject	Percent	Number of Questions
<b>MWA A: Performs Common Occupational Skills</b>	7%	
<b>Task A-1: Performs safety related functions</b>		4
<b>Task A-2: Uses tools, equipment and documentation</b>		5
<b>Task A-3: Uses communication and mentoring techniques</b>		0
<b>MWA B: Diagnoses and Repairs Engine and Engine Support Systems</b>	17%	
<b>Task B-4: Diagnose engine systems</b>		4
<b>Task B-5: Repairs engine systems</b>		4
<b>Task B-6: Diagnoses gasoline engine support systems</b>		5
<b>Task B-7: Repairs gasoline engine support systems</b>		4
<b>Task B-8: Diagnoses diesel engine support systems</b>		3
<b>Task B-9: Repairs diesel engine support systems</b>		2
<b>MWA C: Diagnoses and Repairs Vehicle Module Communications Systems</b>	10%	
<b>Task C-10: Diagnoses vehicle networking systems</b>		8
<b>Task C-11: Repairs vehicle networking systems</b>		4

<b>MWA D: Diagnoses and Repairs Driveline Systems</b>	14%	
<b>Task D-12:</b> Diagnoses driveline systems		10
<b>Task D-13:</b> Repairs driveline systems		7
<b>MWA E: Diagnoses and Repairs Electrical and Comfort Control Systems</b>	18%	
<b>Task E-14:</b> Diagnoses electrical systems and components		8
<b>Task E-15:</b> Repairs electrical systems and components		6
<b>Task E-16:</b> Diagnoses heating, ventilation and air conditioning (HVAC) and comfort control systems		5
<b>Task E-17:</b> Repairs heating, ventilation and air conditioning (HVAC) and comfort control systems		4
<b>MWA F: Diagnoses and Repairs Steering, Suspension Braking and Control Systems, Tires, Hubs and Wheel Bearings</b>	19%	
<b>Task F-18:</b> Diagnoses steering, suspension, braking and control systems, tires, wheels, hubs and wheel bearings		13
<b>Task F-19:</b> Repairs steering, suspension, braking and control systems, tires, wheels, hubs and wheel bearings		10
<b>MWA G: Diagnoses and Repairs Restraint Systems, Body Components, Accessories and Trim</b>	8%	
<b>Task G-20:</b> Diagnoses restraint systems, body components, accessories and trim		6
<b>Task G-21:</b> Repairs restraint systems, body components, accessories and trim		4
<b>MWA H: Diagnoses and Hybrid and Electric Vehicles (EV) Systems</b>	7%	
<b>Task H-22:</b> Diagnoses hybrid and electric vehicle (EV) systems		5
<b>Task H-23:</b> Repairs hybrid and electric vehicle (EV) systems		4
<b>Total</b>	100%	125

*\*The number of questions on an interprovincial examination, assigned to assess each major work activity of the RSOS, as derived from the collective input from workers within the trade across Canada.*

### **Suggested trade resources when preparing for the examination.**

To assist you, a list of reference textbooks is provided below. Note that ISBN numbers are subject to change. Please consult with your supplier to access their most current version of the textbook you are acquiring. It is not necessary to use these specific textbooks; you may find others which will be equally beneficial. You are encouraged to seek additional reference materials in all test areas.

#### **Saskatchewan Polytechnic Information Loaned by Program to Student:**

- Advanced Engine Performance Diagnosis 6th Edition Halderman ISBN 9780133515053
- Automotive Chassis Systems 6th Edition Halderman ISBN 9780134064451
- Automotive Engines Theory and Servicing 9<sup>th</sup> Edition Halderman ISBN 9780134654003
- Automotive Electricity and Electronics 5<sup>th</sup> Edition Halderman ISBN 9780134073644
- Automotive Electrical and Engine Performance 8<sup>th</sup> Edition ISBN 9780135224809
- Automatic Transmissions and Transaxles 7<sup>th</sup> Edition Halderman ISBN 9780134616797
- Heating and Air Conditioning 8<sup>th</sup> Edition Halderman ISBN 9780134603698
- Light Duty Diesels Bennett ISBN 9781435480476
- Manual Drivetrains and Axles 8<sup>th</sup> Edition Halderman ISBN 9780134603728

#### **Saskatchewan Polytechnic Information for Purchase:**

- Automotive Chassis Systems 7<sup>th</sup> Edition Halderman ISBN 9780134064451
- Automotive Electricity and Electronics 6<sup>th</sup> Edition Halderman ISBN 9780135764428
- Automotive Electrical and Engine Performance 8<sup>th</sup> Edition ISBN 9780135224809
- Automotive Technology Systems Approach, 2<sup>nd</sup> Edition Erjavec ISBN 9780176501679
- Automatic Transmissions and Transaxles 7<sup>th</sup> Edition Halderman ISBN 9780137408429
- Heating and Air Conditioning 8<sup>th</sup> Edition Halderman ISBN 9780137408696
- Light Duty Diesels Bennett ISBN 9781435480476
- Manual Drivetrains and Axles 8<sup>th</sup> Edition Halderman ISBN 9780134603728

#### **Saskatchewan Polytechnic Modules Supplied by Program to Student:**

- ELCT 120/121 Automotive Electronics Workbook
- Shop 123 Automotive Shop Fundamentals Workbook

#### **Saskatchewan Polytechnic Modules Loaned by Program to Student:**

- SHOP 123 Automotive Shop Fundamentals
- ATBD120 Body & Trim
- AST Prep for C of Q Exam

Individual Learning Modules (ILM's) for the Automotive Service Technician trade may be ordered through the Saskatchewan Polytechnic Bookstore Call Centre: 1-866-569-8398 or through <https://ilm.nait.ca/home> under Automotive Service Technician.

Modules for the Automotive Service Technician trade developed by the Industry Training Authority of British Columbia are also available at:  
[https://www.crownpub.bc.ca/Product/Listing/13503\\_BC-Trades?WT.ac=hpsl\\_BCTrades](https://www.crownpub.bc.ca/Product/Listing/13503_BC-Trades?WT.ac=hpsl_BCTrades)  
under Automotive Service Technician.

**Those studying for their Interprovincial examination may wish to refer to other Level booklists for additional study materials.**

\*Unless otherwise noted, books listed here are available through the Saskatchewan Polytechnic Bookstore Call Centre: 1-866-569-8398.

NOTE: Textbooks are not usually available from libraries. When textbooks are being purchased, candidates should allow several weeks for delivery and several weeks for studying.

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This information is subject to change without notice.

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