

Welder

Interprovincial Journeyman Examination Information

Apprentice Requirements:	3 years and 5400 hours
Tradesperson Requirements:	4.5 years and 8100 hours
Practical Examination:	Yes

The interprovincial (IP) journeyman 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.

To write the interprovincial journeyman 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: https://red-seal.ca/eng/resources/rs.4s_.1b.4.5t.shtml
- The Getting Ready for the Examination document can be accessed through the Red Seal website at the following link: <https://red-seal.ca/eng/resources/g.2tr.2.1dy.shtml>
- Red Seal examination sample questions can be accessed on the Red Seal website at the following link: <https://red-seal.ca/eng/questions.shtml?tid=250>
- A trade specific skills assessment tool is available on the Red Seal website at the following link: <https://red-seal.ca/eng/resources/selfexamspace.shtml?tid=250>

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.

Welder - 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 are 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
MWA A: Performs Common Occupational Skills	16%	
Task A-1: Maintains tools and equipment		4
Task A-2: Uses access and material handling equipment		3
Task A-3: Performs safety-related activities		4
Task A-4: Organizes work		3
Task A-5: Performs routine trade tasks		6
Task A-6: Uses communication and mentoring techniques		0
MWA B: Performs Layout and Fabrication of Components for Welding	22%	
Task B-7: Performs layout		12
Task B-8: Fabricates components		16
MWA C: Performs Cutting and Gouging	18%	
Task C-9: Uses tools and equipment for non-thermal cutting and grinding		6
Task C-10: Uses oxy-fuel cutting (OFC) process for cutting and gouging		7
Task C-11: Uses plasma arc cutting (PAC) process for cutting and gouging		6
Task C-12: Uses air carbon arc cutting (CAC-A) process for cutting and gouging		4

MWA D: Performs Welding Processes	44%	
Task D-13: Welds using shielded metal arc welding (SMAW) process		18
Task D-14: Welds using flux cored arc welding (FCAW), metal cored arc welding (MCAW) and gas metal arc welding (GMAW) processes		18
Task D-15: Welds using gas tungsten arc welding (GTAW) process		13
Task D-16: Welds using submerged arc welding (SAW) process		5
Total	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 text 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.

- Blueprint Reading for Welders Bennett ISBN 9781133605782
- Cutting Processes WELD / WELD 104 SKU# 20019556
- Fabrication Equipment EQPT 103 SKU# 20006112
- Fundamental Communication Skills COMM 127 SKU# 20011161
- Gas Metal Arc Welding WELD/WELD 105 SKU# 20019617
- IPT's Metal Trades and Welding Handbook Garby and Ashton ISBN 9780920855195
- Modern Welding by Althouse ISBN 9781605257952
- Modern Welding Lab Man/Workbook by Althouse ISBN 9781605257976
- Oxy-Acetylene WELD/WELD 103 SKU# 20019518
- Shielded Metal Arc Welding 1 WELD / WELD 107 SKU# 20019709
- Shielded Metal Arc Welding 2 WELD/ WELD 108 SKU# 20019730
- Submerged Arc Welding by NAIT SKU# 20212087
- Welding Mathematics Weld/Math 125 SKU# 20178048
- Welding Mathematics 2 WELD / MATH 203 SKU# 2020289416
- Trade Mathematics Course WELD / MATH 310 SK# 20308001
- Welding Metallurgy and Heat Treatment of Metals SKU# 20006051
- Welding Safety WELD / SFTY 103 SKU# 20019402

Individual Learning Modules (ILMs) for the Welder trade may be ordered through the Saskatchewan Polytechnic Bookstore Call Centre: 1-866-569-8398. They are also available through www.tradesecrets.org

Modules for the Welder 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 under Welder Training Program.

*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 texts are being purchased, candidates should allow several weeks for delivery and several weeks for studying.

FORM # 2026 020226

This information is subject to change without notice.

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Apprenticeship and
Trade Certification
Commission

