

## Welder Interprovincial Journeyperson Examination Information

<b>Apprentice Requirements:</b>	3 years and 5400 hours
<b>Tradesperson Requirements:</b>	4.5 years and 8100 hours
<b>Practical Examination:</b>	Yes

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 National Occupational Analysis (NOA) for that trade and is based on industry's standards and expectations. You can download and print a free copy of the NOA 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%.

There is a written examination and a practical examination. You must pass the written examination before you may apply for the practical.

### 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 video explaining 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)

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)

## Welder - Red Seal Examination Breakdown

An Interprovincial Red Seal examination is based on the National Occupational Analysis (NOA) for the trade. The NOA describes the skills and knowledge required to perform the duties of the trade. The standard is divided into Blocks, which are then divided into Tasks, and then more specifically into Sub-tasks.

The Red Seal examination has a certain number of questions assigned to these sections. The number of questions are provided below.

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

Subject	Percent	Number of Questions
<b>BLOCK A: Common Occupational Skills</b>	<b>19%</b>	
<b>Task A-1:</b> Maintains tools and equipment		4
<b>Task A-2:</b> Uses access and material handling equipment		4
<b>Task A-3:</b> Performs safety-related activities		5
<b>Task A-4:</b> Organizes work		4
<b>Task A-5:</b> Performs routine trade activities		7
<b>BLOCK B: Fabrication and Preparation of Components for Welding</b>	<b>20%</b>	
<b>Task B-6:</b> Performs layout		10
<b>Task B-7:</b> Fabricates components		15
<b>BLOCK C: Cutting and Gouging</b>	<b>17%</b>	
<b>Task C-8:</b> Uses tools and equipment for non-thermal cutting and grinding		5
<b>Task C-9:</b> Uses oxy-fuel gas cutting (OFC) process for cutting and gouging		7
<b>Task C-10:</b> Uses plasma arc cutting (PAC) process for cutting and gouging		5
<b>Task C-11:</b> Uses air carbon arc cutting (CAC-A) process for cutting and gouging		4
<b>BLOCK D: Welding Processes</b>	<b>44%</b>	
<b>Task D-12:</b> Welds using shielded metal arc welding (SMAW) process		18
<b>Task D-13:</b> Welds using flux cored arc welding (FCAW), metal cored arc welding (MCAW) and gas metal arc welding (GMAW) processes		21
<b>Task D-14:</b> Welds using gas tungsten arc welding (GTAW) Process		12
<b>Task D-15:</b> Welds using submerged arc welding (SAW) process		4
<b>Total</b>	<b>100%</b>	<b>125</b>

*\*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 by Bennett 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 by 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 SKU 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](http://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](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.

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This information is subject to change without notice.