

INDUSTRIAL MECHANIC (MILLWRIGHT)

Level One Examination Information

The **Industrial Mechanic (Millwright) (IMM)** trade level examinations are developed by the Apprenticeship and Trade Certification Commission in co-operation with a committee of worker and employer representatives selected from industry. The pass mark is 70%. Apprentices may challenge this exam only once. Examination content is based on the expectations and standards for Saskatchewan apprentices as follows:

Subject	Percent	Number of questions
Layout and Hand Cutting Tools	21%	24
Precision Measurement, Assembly Tools, and Fasteners	21%	24
Safety and Communications	11%	12
Drills and Abrasives	9%	10
Metallurgy	9%	10
Rigging, Hoisting, and Lifting	12%	13
Oxy-Fuel, Thermal Cutting, and Arc Welding	9%	10
Technical Drawings	4%	5
Trade Mathematics	4%	5
Total	100%	113

Study all areas of the trade in 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.

Loaned by program:

- Millwright Manual Custom Pub 7960003848 Chapters 1, 3, 4 and 5 Province of British Columbia SKU 20202408
- Interpreting Engineering Drawing Jensen ISBN 9780176531515
- Rigging Handbook Klinke ISBN 9781888724189
- Modern Metalworking Walker ISBN 9781631266415
- Saskatchewan Employment Act Pub Saskatchewan SKU 20351540

Purchased from bookstore:

- Crane and Rigging Manual IPT ISBN 9780920855034
- Industrial Fasteners Training Manual Bolting and Securing Systems IPT ISBN 9780920855126
- Millwright Manual Study Guide M100684 Order 7960003066 BC Ministry of Labour SKU 20057695

Saskatchewan Polytechnic supplied by program:

- Communications Course Manual IM/SAFE 100 Saskatchewan Polytechnic SKU 20297596
- Introduction to the GTAW Process A120202A Ver 4.3 NAIT Saskatchewan Polytechnic SKU 20309398
- Math 108 Industrial Mathematics Industrial Mechanics App 1 Course IM / MATH 108 Saskatchewan Polytechnic SKU 20012960
- Metallurgy Course Pack INDM/METL 102/103 Saskatchewan Polytechnic SKU 20171636
- Layout and Hand Cut Tools INDM / TOOL 110/111 Course Pack Saskatchewan Polytechnic SKU 20171674
- Metallurgy Theory Iron and Steel Making Course Manual IM / METL 102 Saskatchewan Polytechnic SKU 20297619
- Oxyfuel Welding and Oxyfuel Cutting Weld OFW and OFC Saskatchewan Polytechnic SKU 20170196
- Plasma Arc Cutting and Gouging 120101J Ver 22.0 NAIT/SAIT SKU 20084561
- Precision Measuring Assembly Tools and Fasteners IND/MEAS 102/103 Saskatchewan Polytechnic SKU 20012960
- Rigging, Hoisting and Lifting Course Pack INDM/METL 101/102 Saskatchewan Polytechnic SKU 20171650

- Safety and Communication Techniques Course IM/SAFE 100/101 SKU 20298777
- Technical Drawing Harmonized Course Pack IM / PRNT 102 Saskatchewan Polytechnic SKU 20184445
- Tools and Abrasives Course Pack IM/SAFE 100/101_Saskatchewan Polytechnic SKU 20298753

Individual Learning Modules (ILMs) for the Industrial Mechanic (Millwright) (IMM) trade may be ordered through the Saskatchewan Polytechnic Bookstore Call Center: 1-866-569-8398 or through <https://ilm.nait.ca/home> under Millwright.

*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.

VISIT OUR WEB SITE!

www.saskapprenticeship.ca

Absolutely no cell phones, communication devices or PDAs are allowed in the examination facility. You will be required to leave immediately if any of these items are found on your person.

Important information regarding calculators – please note that due to increasing security issues, candidates are no longer permitted to bring their own calculators to the exam facility. Instead, we will be supplying each candidate with a calculator. Please refer to the “Forms” section of our web page for further information.

Please note that examinations and study information change frequently. The most recent information is available on our web site at www.saskapprenticeship.ca

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This information is subject to change without notice.

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