Instrumentation and Control Technician
Level One Examination Information

The **Instrumentation and Control Technician** 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
Basic Electronics	34%	34
Instrument Measurement	36%	36
Safety and Shop Practice	10%	10
Trade Math	10%	10
Physics	10%	10
Total	**100%**	**100**

1-877-363-0536
apprenticeship@gov.sk.ca
saskapprenticeship.ca

Saskatchewan Apprenticeship and Trade Certification Commission

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.

- Instrument Engineer's Handbook 4th Edition Volume One: Process Measurement and Analysis by Liptak pub CRC Press ISBN 9780849310836
- Instrument Engineer's Handbook 4th Edition Volume Two: Process Control and Optimization by Liptak pub CRC Press ISBN 9780849310812
- Instrument Engineer's Handbook 4th Edition Volume Three: Process Software and Digital Networks by Liptak pub CRC Press ISBN 9781439817766
- Fundamentals of Industrial Control: Practical Guides for Measurement and Control 2nd Edition by D.A. Coggan pub ISA ISBN 9781556178634
- Electronics Fundamentals, Circuits, Devices and Applications 8th Edition by T.L. Floyd pub Prentice Hall ISBN 9780135072950*
  (*Any fundamental electronics textbook that covers basic circuits, transistors and operational amplifiers would be suitable)

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.

Individual Learning Modules (ILMs) for the Instrumentation and Control Technician trade may be ordered through the Saskatchewan Polytechnic Bookstore Call Centre: 1-866-569-8398 or through https://www.ilmlearning.ca under Instrumentation and Control Technician.

*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.