

## CONSTRUCTION ELECTRICIAN Level Two Examination Information

The **Construction Electrician** 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
AC Theory and Meters	8%
Resistive, Inductive and Capacitive Circuits	8%
DC Machines	12%
Motor Starters and Controls	9%
Electronic Instruments, Rectification, Filtering	16%
Services under 900 m <sup>2</sup>	16%
Transformers	15%
Residential Electric Heat	3%
Heating and Cooling Systems	13%
<b>Total</b>	<b>100%</b>

Note: The 2018 Canadian Electrical Code will be provided for this examination.



## **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.

- Delmar's Standard Textbook of Electricity by Herman Delmar Publishers ISBN 9781285852706
- Electric Motor Control by Alerich Delmar Publishers ISBN 9781435485754
- Electronics for Industrial Electricians by Herman Delmar Publishers ISBN 9781111127800  
Canadian Electrical Code 2018

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

Individual Learning Modules (ILMs) for the Construction Electrician trade may be ordered through the Saskatchewan Polytechnic Bookstore Call Center: 1-866-569-8398 or through [www.tradesecrets.org/](http://www.tradesecrets.org/) under Electrician.

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](http://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](http://www.saskapprenticeship.ca)