

## **WINDER ELECTRICIAN**

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### **Occupation Description**

“Winder Electrician” means a person who tests, rewinds, reconditions, rebuilds, replaces and generally services electric motors, generators, alternators, transformers, control equipment, mobile machines and other related components in commercial, institutional and industrial establishments, and any other work that is usually performed by a journey person Winder Electrician.

For detailed information on the scope of knowledge and skills taught and assessed in this program refer to the Program Outline. BC apprentices registered in this program must take their technical training in Alberta. To view the Program Outline for technical training in Alberta, visit the Alberta Trade Secrets website at <http://tradesecrets.alberta.ca>.

### **Pathways to Certification**

In BC, an individual can become certified as a Winder Electrician by completing the Winder Electrician program or by challenging the certification. Apprenticeship programs are for individuals who have an employer to sponsor them and challenge programs are for individuals who have extensive experience working in the occupation and wish to challenge the certification.

Youth can begin an apprenticeship in high school through the Youth Train in Trades or Youth Work in Trades programs. The Youth Work in Trades program is available for any trade if an employer is willing to sponsor the student. Trades offered through the Youth Train in Trades vary by region; contact your local school district to find out which technical training programs are being offered through the Youth Train in Trades program in your region.

### **Recommended Education**

The following education is recommended for apprentices entering this occupation. These are not prerequisites, but rather a desired level of skill or knowledge that will contribute to success in the industry.

- Grade 12 or equivalent including English 12, Math 11, and Physics 11

### **SkilledTradesBC Registration**

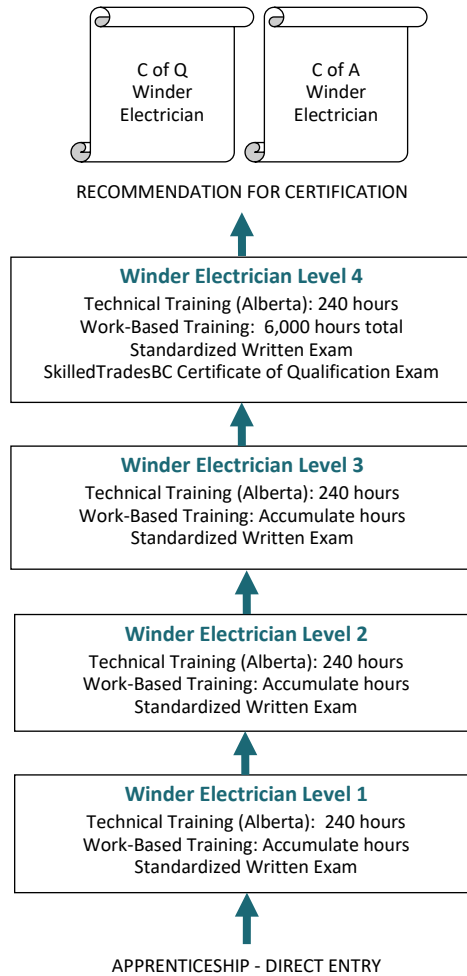
Individuals who wish to begin an apprenticeship in this program must register with SkilledTradesBC along with their sponsor. Application forms for all programs are available from the SkilledTradesBC website. Online registration is also available for most programs through the SkilledTradesBC website.

Those who wish to challenge the Winder Electrician certification must complete the Winder Electrician Challenge Application and submit it to SkilledTradesBC. Challenge applications are assessed for proof of workplace hours and scope of experience prior to acceptance of the individual into the Challenge pathway.

**Apprenticeship Pathway**

This graphic provides an overview of the Winder Electrician Apprenticeship pathway.

*C of Q = Certificate of Qualification  
C of A = Certificate of Apprenticeship*



*Technical training for this program is offered in Alberta only at the Southern Alberta Institute of Technology (SAIT)*

**CROSS-PROGRAM CREDITS**

*Individuals who hold the credentials listed below are entitled to receive partial credit towards the completion requirements of this program*

None

**Apprenticeship Program Standards**

**Credentials Awarded**

- Winder Electrician – Certificate of Qualification
- Winder Electrician – Certificate of Apprenticeship

**SkilledTradesBC  
Registration Prerequisites**

- Agreement signed by the employer to sponsor the apprentice
- **Note:** Technical training for this program is delivered in Alberta by the Southern Alberta Institute of Technology (SAIT). A SkilledTradesBC ID number is created when you register in the program in BC, but you must have an Alberta ID number as well in order to register for technical training. Contact SkilledTradesBC to have this number created for you.

**Completion Requirements** Certification as a Winder Electrician is awarded upon successful completion of:

Requirement	Level of Achievement Required
Technical Training (Delivered in Alberta by the Southern Alberta Institute of Technology)	Minimum 70% in each level of technical training: <ul style="list-style-type: none"> <li>▪ Level 1:               <ul style="list-style-type: none"> <li>○ In-school: 240 hours</li> <li>○ Standardized written exam: minimum 70%</li> </ul> </li> <li>▪ Level 2:               <ul style="list-style-type: none"> <li>○ In-school: 240 hours</li> <li>○ Standardized written exam: minimum 70%</li> </ul> </li> <li>▪ Level 3:               <ul style="list-style-type: none"> <li>○ In-school: 240 hours</li> <li>○ Standardized written exam: minimum 70%</li> </ul> </li> <li>▪ Level 4:               <ul style="list-style-type: none"> <li>○ In-school: 240 hours</li> <li>○ Standardized written exam: minimum 70%</li> </ul> </li> </ul>
SkilledTradesBC Certificate of Qualification Exam	<ul style="list-style-type: none"> <li>▪ Minimum 70%</li> </ul>
Work-Based Training	<ul style="list-style-type: none"> <li>▪ 6,000 hours</li> </ul>
Recommendation for Certification	<ul style="list-style-type: none"> <li>▪ Recommendation for certification signed by the Sponsor and an individual holding credentials eligible for sign-off authority</li> </ul>

**Program Duration**

Duration varies depending on how training is delivered, but the program generally takes 4 years to complete.  
The technical training requirement is met through block-release training (full-time, at school) delivered by an approved training provider in Alberta.

**Sign-off Authority**

- Credentials eligible to sign-off on the Recommendation for Certification:
- Winder Electrician – Certificate of Qualification
  - Electric Motor System Technician (Winder Electrician) – Certificate of Qualification with Interprovincial Red Seal endorsement
  - Construction Electrician – Certificate of Qualification with Interprovincial Red Seal endorsement

**Challenging a Level**

- The following levels of technical training can be challenged for advanced placement in this program:
- None

**Apprenticeship Program Standards**

**Cross-Program Credits**

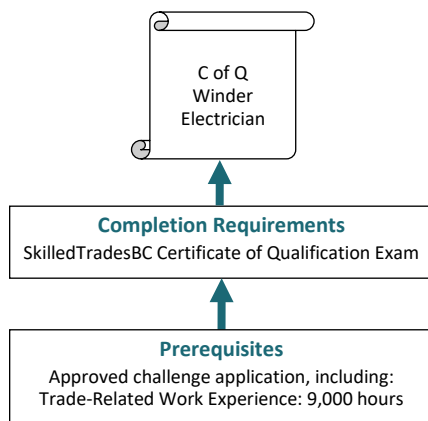
Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program:

<b>Credential</b>	<b>Credit (s) Granted</b>
▪ None	▪ N/A

**Challenge Pathway**

This graphic provides an overview of the Winder Electrician challenge pathway.

*C of Q = Certificate of Qualification*



**CREDIT FOR PRIOR LEARNING**

*Individuals who hold the credentials listed below are considered to have met or partially met the prerequisites for challenging this program*

None

**Challenge Program Standards**

**Credentials Awarded**

Winder Electrician – Certificate of Qualification

**SkilledTradesBC**

**Registration Prerequisites**

An approved Challenge Application, which includes:

- 9,000 documented hours of directly related experience working in the occupation

**Credit for Prior Learning**

Individuals who hold the credentials listed below are considered to have met or partially met the prerequisites for challenging this program:

**Credential**

- None

**Credit(s) Granted**

- N/A

**Completion Requirements**

Certification as a Winder Electrician is awarded upon successful completion of:

**Requirement**

SkilledTradesBC Certificate of Qualification Exam

**Level of Achievement Required**

- Minimum 70%

**Supporting Documents**

Electric Motor System Technician (Winder Electrician) Apprenticeship Course Outline (Alberta 2006) – Defines the full scope of knowledge and skills taught during technical training. Available from the SkilledTradesBC website.

**Contacts**

SkilledTradesBC manages B.C.'s industry training and apprenticeship programs. Contact SkilledTradesBC Customer service if you have any questions regarding registration, examinations or certification for this program.

Telephone:	778-328-8700	Fax:	778-328-8701
Toll Free (within BC):	1-866-660-6011	Email:	<a href="mailto:customerservice@skilledtradesbc.ca">customerservice@skilledtradesbc.ca</a>
Website:	<a href="http://www.skilledtradesbc.ca">www.skilledtradesbc.ca</a>		

**Revision History**

The standards for this program were reviewed and/or updated on the dates below.

Program Standards Approved: March 2020

Program Profiles are updated regularly. Visit [www.skilledtradesbc.ca](http://www.skilledtradesbc.ca) for the most current version.