

## TRADE OF POWER ELECTRICIAN

Power Electricians install, maintain, and repair electrical and line apparatus, power generators, power converters and power transformers in generating and converter stations and substations. They ensure that circuit breakers, disconnects, distribution apparatus, metering and associated auxiliary equipment are in safe and reliable operating condition. Power Electricians are employed by electric power generation, transmission and distribution companies.

In order to become certified as a Power Electrician in Manitoba, applicants must either; 1) apply for and successfully complete the *Trades Qualification Examination*, or, 2) apply for and successfully complete the *Apprenticeship Program*.

### TRADES QUALIFICATION EXAMINATION

To qualify to write the *Trades Qualification Examination*, an applicant must have a minimum of **5 years** (8,000 hours) of relevant work experience within the last **10-year period**. Applicants are given two attempts to successfully complete this examination. If, after the second attempt, the applicant is still not successful he/she must successfully complete a program of upgrading approved by the Director of Apprenticeship before he/she will be eligible to write this examination again.

To apply to write the *Trades Qualification Examination* applicants must submit:

- a completed *Trades Qualification* application form (available from Apprenticeship);
- a statement of previous work experience (see application form for more details); and
- a \$250.00 examination fee.

Note: Each additional examination attempt is \$75.00.

When all examination requirements have been successfully completed the applicant is given a Journeyman Power Electrician Provincial Certificate of Qualification.

### APPRENTICESHIP PROGRAM

The Power Electrician apprenticeship program is **4 calendar years** of combined on-the-job and classroom training totalling at least **1,600 hours** in each year. To qualify for apprenticeship, applicants must:

- be employed in the trade with Manitoba Hydro; and
- be at least **16 years** of age.

\* Applicants should have Grade 12 or equivalent high school academic standing including recommended courses in Math. *Manitoba Hydro chooses apprentices based on academic achievements, mechanical and aptitude tests, interview and skills assessment sessions. A background in mathematics and science is essential.*

Note: If the applicant does not meet the minimum educational requirement he or she may be permitted to enter the program with the permission of the Director of the Apprenticeship Branch.

Applicants with experience and training as Power Electricians who do not qualify to write the *Trades Qualification Examination* may receive credit towards the completion of their apprenticeship training in this trade.

To register for apprenticeship the applicant must submit:

- a completed Apprenticeship Agreement (available from Apprenticeship);
- all educational documents; and
- a \$50.00 registration fee.

If documents are not in English or French, notarized translations are required.

When the apprenticeship program **and** the required examinations have been successfully completed the apprentice is given a Journeyman Power Electrician Provincial Certificate of Qualification.

**The fees detailed above are subject to change without notice.**

For more detailed information contact the Apprenticeship office nearest you or visit the web site [www.manitoba.ca/tradecareers](http://www.manitoba.ca/tradecareers).

**Winnipeg**

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**Toll-free from Rural Manitoba**

1-877-978-7233 (1-877-97-TRADE)

The Settlement and Labour Market Services Branch has information on 81 other trades and professions. Please contact us at (204) 945-6300.  
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