Electrician

Trade Profile



Construction, Industrial, and Power Electricians

Fast facts:

Hourly pay: starting at $21.21/hour, depending on apprenticeship level and union affiliation

Certification requirements:

- High school diploma (Grade 10 Math, English Language Arts, and Science recommended) and four-year apprenticeship program
- Or 6+ years of on-the-job experience and some high school, college, or industry training

Earn while you learn at a Manitoba Hydro project:

Manitoba Hydro projects offer opportunities for electrician apprentices to earn a salary and level up their apprenticeship at the same time. You might work on a new or existing transmission line, generating station, electrical, or natural gas distribution system.

Manitoba Hydro hires contractors to manage these projects and helps the contractors to employ people from nearby communities.

Trade Profile - Construction, Industrial, and Power Electricians



About the job:

Electricians install new electrical systems, and they test, measure, replace, upgrade, and service existing systems.

Construction electricians work with electrical fixtures and systems that provide heat, light, power, or control in residential, commercial, and industrial buildings.

Industrial electricians work with all types of industrial electrical equipment vital to the operation of commercial and industrial businesses, including equipment and components directly and indirectly exposed to electric power.

Power electricians work with electrical apparatuses used to generate, transmit, distribute, and convert electricity in generating and converter stations and substations.

Construction, industrial, and power electricians are skilled, designated trades. To become a certified journeyperson, you can apply for an apprenticeship program which combines paid on-the-job training and classroom instruction.

These apprenticeship programs are divided into four levels. Each level requires you to complete 1,600 hours (for power electricians) or 1,800 hours (for construction and industrial electricians) of on-the-job and technical training per year. In Manitoba, you can earn credit hours towards your apprenticeship at a number of secondary and post-secondary schools.

After you complete the required hours of on-the-job training and pass the technical schooling, you may take an exam to qualify for your Red Seal. The Red Seal is the national standard in the trade, and with it you can work as a construction, industrial, or power electrician anywhere in Canada.