



## SKILLED TRADES

POSITIONS IN THE FOREST PRODUCTS INDUSTRY



# INDUSTRIAL ELECTRICIAN

**OTHER JOB TITLES:** *electrical repairer - industrial, electrical repairer - machine shop, journeyman/woman industrial electrician, industrial maintenance electrician, mill electrician, plant electrician.*

**IF YOU WANT GOOD PAY, OPPORTUNITIES TO LEARN ON THE JOB, A GREAT LIFESTYLE AND THE CHANCE TO WORK IN CANADA'S GREENEST WORKFORCE, THEN THE FOREST PRODUCTS INDUSTRY IS RIGHT FOR YOU.**

Why green? The forests are a renewable natural resource and the Canadian forest products industry is known for its world-class environmental credentials, including having the most certified forests in the world, and cutting more than 70% of its greenhouse gas emissions since 1990.

The industry offers something for everyone. It's an industry with a reputation for investing in skills training and career growth, and no matter what part of the forest products industry you work in - on the mill floor as a mechanical engineer, or in the forest as a forestry technician - every job is part of the greenest industry in Canada.

Canadian forest product companies will need to hire 60,000, or more, **new workers by 2020** to meet demand and you could be one of them!

### DESCRIPTION

Industrial electricians install, maintain, troubleshoot and repair industrial electrical equipment and associated electrical and electronic controls. In the forest products industry they play a variety of roles but are typically found working in mills and other industrial settings like pellet plants and planer facilities.

Industrial electricians troubleshoot and diagnose electrical and failures in manufacturing processes. To be good at troubleshooting means you need a broad understanding of electrical systems so you can isolate and repair faults and failures. A day in the life of an industrial electrician might involve repairing a critical electrical fault fast enough to prevent an entire mill operation from shutting down.

Electrical technology and equipment also changes rapidly, so you need to stay on top of what's happening in your industry.

Increasing use of robotics and other computerized control equipment is creating more work for industrial electricians, because they are the ones who install and maintain the equipment. Technological change usually results in a greater demand for industrial electricians.

### KEY RESPONSIBILITIES

Industrial electricians perform some or all of the following duties:

- interpret drawings, blueprints, schematics and electrical code specifications
- install, examine, replace or repair electrical wiring
- test electrical and electronic equipment and components
- troubleshoot, maintain and repair industrial, electrical and electronic control systems
- install, maintain and calibrate industrial instruments

### THIS JOB IS RIGHT FOR YOU IF...

- you want to live an oversized life in one of Canada's beautiful forest communities
- a sense of community is important to you
- you like variety and learning new things
- you want to make a difference working in a green job
- you want to make a difference working with cutting-edge energy efficient systems
- you like solving problems
- safety is always on your mind

### \$ EARNING POTENTIAL

**\$40**  
PER HOUR

This is the high end of the Canadian average. In some areas, industrial electricians make more than \$55 per hour.

### + BENEFITS MAY INCLUDE

- Apprenticeships
- Career growth
- Daycare
- Dental and medical plans
- Employee assistance plans
- Pensions
- Ongoing training

### EDUCATION AND TRAINING

To become an industrial electrician means first becoming an apprentice. It usually takes four or five years to progress to fully qualified journeyman/woman level. Apprenticeships emphasize hands-on work under the supervision of a journeyman/woman, along with classroom training and testing. Training and licensing of electricians is regulated by each province, but many provinces recognize qualifications received in others. Interprovincial *Red Seal* endorsement is also available to allow your skills to be officially recognized across Canada.

**Apprenticeship grants:** Apprentices can receive up to \$4,000 in grants to pay tuition, travel, tools, or other expenses. If you are considering an apprenticeship, visit *Red Seal* for information on how to get started. Here is a complete list of Canadian Universities and Colleges: [thegreenestworkforce.ca/education](http://thegreenestworkforce.ca/education)

### #LIFE'S BETTER HERE

**Dare to Compare. See how much time and money you would save by moving to a forest community. Visit [thegreenestworkforce.ca/compare](http://thegreenestworkforce.ca/compare)**

FIND OUT MORE AT [THEGREENESTWORKFORCE.CA](http://THEGREENESTWORKFORCE.CA)



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