

## EDUCATION & EXPERIENCE

- ▶ Completion of Grade 12 is usually required.
- ▶ Completion of a four- to five- year apprenticeship program; or
- ▶ A combination of more than five years of work experience in the trade and some high school, college or industry courses in being an industrial electrician is usually required to be eligible for trade certification.
- ▶ Trade certification for industrial electricians is compulsory in British Columbia.

## TRAINING

If you are interested in completing Grade 12 or upgrading your skills, you have a number of options. Check out adult basic education programs at:

- ▶ The College of New Caledonia (CNC).
- ▶ Coast Mountain College.

If you have your Grade 12 and are interested in exploring your career options in exploration and mining, contact:

- ▶ General educational advisors or First Nations Access coordinators at Coast Mountain College.
- ▶ School of Exploration & Mining advisors at Coast Mountain College.
- ▶ Academic advisors at the College of New Caledonia.

## CAREER ADVANCEMENT POTENTIAL

- ▶ Progression to supervisory positions is possible with experience.
- ▶ Red Seal trade certification allows for interprovincial mobility.

# INDUSTRIAL ELECTRICIANS

Industrial electricians install, maintain, test, troubleshoot and repair industrial electrical equipment and associated electrical and electronic controls. They are employed by electrical contractors and maintenance departments of factories, plants, mines, shipyards and other industrial establishments.

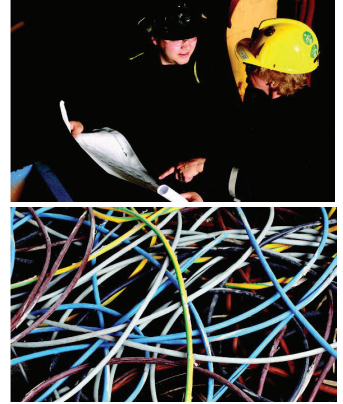


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## JOB DESCRIPTION

Industrial electricians perform some or all of the following duties:

- ▶ Read drawings and blueprints in order to determine the layout of industrial electrical equipment installations.
- ▶ Install, examine, repair and replace electrical wiring and other electrical components.
- ▶ Test electrical and electronic equipment and components for continuity, current, voltage and resistance.
- ▶ Maintain, repair, install and test:
  - ▶ switchgear, transformers, switchboard meters, regulators and reactors;
  - ▶ electrical motors, generators, alternators, industrial storage batteries and hydraulic and pneumatic electrical control systems; and
  - ▶ industrial, electrical and electronic control systems.
- ▶ Conduct preventive maintenance programs and keep maintenance records.