

EDUCATION & EXPERIENCE

- ▶ Completion of Grade 12 is required.
- ▶ Completion of a four- to five- year apprenticeship program is required.
- ▶ Trade certification for construction electricians is compulsory in British Columbia.

TRAINING

The Industry Training Authority (www.itabc.ca) is the best place to find information about becoming a construction electrician and training for careers in the Trades. Both the College of New Caledonia and Coast Mountain College offer different levels of courses if you're interested in becoming an electrician.

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.

To learn more about a career as construction electrician (including information about work duties and working conditions, salaries and employment prospects), you can access information in the National Occupation Classification (NOC) System at www.workbc.ca. The NOC code for this occupation is 7241.

CONSTRUCTION ELECTRICIANS

Electricians lay out, assemble, install, test, troubleshoot and repair electrical wiring, fixtures, control devices and related equipment in buildings and other structures. They are employed by electrical contractors and maintenance departments of buildings and other establishments, or they may be self-employed.



Image source: MiHR Council and iStock

JOB DESCRIPTION

If you're a construction electrician, you may be required to:

- ▶ Read and interpret drawings, circuit diagrams and electrical code specifications to determine wiring layouts for new or existing installations.
- ▶ Install, replace and repair lighting fixtures and electrical control and distribution equipment, such as switches, relays and circuit breaker panels.
- ▶ Splice, join and connect wire to fixtures and components to form circuits.
- ▶ Test continuity of circuits using test equipment to ensure compatibility and safety of system, following installation, replacement or repair.
- ▶ Connect electrical power to audio and visual communication equipment, signalling devices and heating and cooling systems.
- ▶ Conduct preventative maintenance programs and keep maintenance records.

Seabridge Gold developed its job fact sheets using information from Human Resources and Skills Development Canada's 2006 National Occupational Classification, Work BC (www.workbc.ca) and the Mining Industry Human Resource Council (<https://mihrc.ca>). To learn more about Seabridge Gold and its projects, visit www.seabridgegold.com.