



CONSTRUCTION ELECTRICIAN

ABOUT THIS CAREER

As a Construction Electrician, you'll know exactly how to deal with complex electrical systems in a wide range of settings. Your daily tasks will test your coordination and math skills, as you install, commission, test, maintain and service operating electrical systems and equipment. You're calm dealing with powerful systems and take pride in the sense of responsibility your work provides.*

(*SkilledTradesBC)

WHAT YOU'LL NEED

Educational Requirements

- **High School completion (recommended prerequisites):** English 12, Physics 11 & Pre-Calculus Math preferred
- Certification requires a 4-year apprenticeship program (certification not required to work as an electrician in B.C.)
- Apprenticeship requires work experience and in-class instruction (Interprovincial Red Seal option available)

Key Skills & Attributes

(technical training and on the job)



Troubleshooting

Determining causes of operating errors and deciding what to do about it.



Repairing

Repairing machines or systems using the needed tools.



Active Listening

Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.



Critical Thinking

Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.



Installation

Installing equipment, machines, wiring, or programs to meet specifications.

HOURLY PAY
\$18.00 - \$42.00*
(Est. Annual Salary: \$59,440)

ANNUAL EMPLOYMENT GROWTH: **0.6%***
(B.C. Labour Market Outlook 2023-2033)

JOB OPENINGS: **2,850***
*WorkBC

DUTIES & RESPONSIBILITIES

- Read and understand drawings, circuit diagrams and electrical code specifications for wiring layouts
- Install conduits on a range of surfaces to route electrical conductors
- Install or repair various pieces of electrical components, including lighting fixtures and equipment, switches and circuit breakers
- Test the connection of circuits to ensure that an electrical system is safe and compatible
- Troubleshoot and repair problems in electrical systems
- Connect electrical power to audio and visual communication equipment, signalling devices and heating and cooling systems



**Chilliwack
School District**
CAREER EDUCATION