

# ELECTRICIAN



## ABOUT THIS CAREER

Electricians install new electrical systems and test, replace, upgrade and service existing systems in all types of buildings and structures. There's also growing demand for specialized work with controls, fiber optics and communication and computer networks.

# 380,500

CONSTRUCTION WORKERS  
NEEDED BY 2034

*\*BuildForce Canada*

"I was looking for a stable career with lots of opportunities to grow and learn."



You like working with digital programs.



You can interpret blueprints.



You have strong math skills.

## RESPONSIBILITIES

- Read and interpret blueprints, maps, drawings and specifications
- Test and measure voltage, loads, ground faults integrity of circuits
- Install power generation, stand-by power generation and power conditioning systems
- Connect power to audio and visual equipment
- Renovate electrical systems in residential and commercial structures
- Conduct preventive maintenance programs

## WHAT YOU'LL NEED

### Entrance Requirements

#### High School:

Completed: **Grade 12**

Recommended: **Math 10**

**English 10 | Science 10**

#### Apprenticeship Program:

4 to 5 years, includes technical training, on-the-job training and exam. Journeyman certificate awarded after successful completion. As an apprentice, you also earn while you learn.

### Key Skills & Attributes

(technical training and on the job)

- Reading, communication and numeracy skills
- Problem solving/planning skills
- Hand-eye coordination
- Physical fitness
- Work experience with electrical equipment & digital technology programs

## DID YOU KNOW?

You can work indoors or outdoors. You can be self-employed or work with others such as electrical contractors, building maintenance departments and others.