

What is an

ELECTRICIAN?

An Electrician designs, plans, installs, repairs, and maintains electrical systems in homes, commercial buildings, industrial complexes, and retail buildings.

ELECTRICIANS

- plan new systems & upgrade older systems, wiring, receptacles and light fixtures
- install fiber optic systems, fire alarms, security and data systems
- install, troubleshoot and repair motors, generators, pumps, solar arrays, and Electric Vehicle Charging systems.

All Electricians start their careers as apprentices. Once you have established yourself, there are a lot of opportunities for advancement – to positions such as foreperson, superintendent, estimator or electrical inspector, or you may want to start your own contracting business.



**ELECTRICAL JOINT
TRAINING COMMITTEE**

www.ejtc.org

TRAINING TO BECOME AN ELECTRICIAN

APPRENTICESHIP TRAINING



An IBEW apprenticeship for a Construction Electrician is based on a five (5) year training program, including a minimum of 9000 hours of technical training and on-the-job training.

The preferred entry method into an apprenticeship is with graduation from a recognized Electrical Foundation (ELTT) program.

RECOMMENDED PREREQUISITES TO APPLY FOR AN ELECTRICAL FOUNDATION (ELTT) PROGRAM

- English 12
- Pre-Calculus Math 11
- Physics 11
- Grade 12 Completion

SKILLS & ABILITIES

To be successful in their trade, Electricians need to be:

- critical thinkers/problem solvers
- good and clear communicators
- physically fit & able to lift 11 to 25 kilograms
- able to work at heights and confined spaces
- able to work out-of-doors regardless of weather
- a team player
- able to work well with others towards a common goal
- willing to learn
- able to do very precise work, expertly
- able to have a mechanical aptitude and manual dexterity