



LIVE YOUR PASSION

**What does it
take to become an
Electrician?**



Electricians are tradesmen whose responsibilities are to design, install, maintain and troubleshoot electrical wiring systems. These systems can be located in homes, commercial or industrial buildings, and even machines and large pieces of equipment. Inside wiremen, as the name implies, spend most of their careers working indoors. Working with blueprints, they install new electrical systems in new buildings and troubleshoot problems or replace older systems. Outside linemen, by contrast, work outdoors most of their careers. They must exhibit a moderate amount of physical fitness due to the requirement of climbing telephone and power poles when a lift bucket is not available.

Skills and Knowledge

Not only does the electrician have to be good at mathematics, they have to know how to read blueprints and technical schematics. Organisation and good planning and troubleshooting skills are vital. There are no shortcuts when it comes to working with electricity and good electricians are those who know how its supposed to work and what makes it work safely. Electricians also will need to have the stamina to climb ladders and stairs repetitively and crawl through attics and other inhospitable areas. In many cases, the electrician need to be able to work longer than an eight hour day to ensure that a project that can't be completed in one day, is left in safe circumstances.

Training

Training programmes at registered training institutions typically cover both theoretical and practical components. Due to the sometimes dangerous nature of their work, the electrician's apprenticeship is overseen and supervised by senior electricians, who are seasoned practitioners who exhibit a high degree of technical skill in their trade. During their apprenticeship, electricians are required to complete instruction in electrical theory and electrical building codes. Aside from technical certifications, electricians must be able to work with a wide variety of tools and testing equipment. Common tools, like diagonal and needle-nose pliers are just as essential to an electrician's work as more complicated equipment like multi-meters and insulation resistance testers.


Working Conditions

Electricians can be found working inside and outside, at personal residences, factories, and construction worksites. Working as an electrician can be exhausting since they lift heavy loads, stand and knee for long stretches at a times, and twist and contort conduit. Working as an electrician can also be dangerous since there is always a risk to get cut or electrocuted, so it is essential to adhere to safety protocols. Some electricians work in inclement weather, and electricians often must spend a lot of time traveling to worksites. Job

Prospects

Electricity is a vital part of every day life. It keeps food cold, water warm, and houses cool or warm as needed. Electricians, trained to do the varied tasks needed to meet the needs of an electricity-driven society will always be in demand. A growing number of electricians gain competency in several types of electrical work, allowing them to work both indoors and outdoors. Travel is an essential part of the day, especially for independent contractors. Maintenance electricians, by contrast, work a standard 40-hour week. In some instances, these electricians may work on an on-call basis, commit to overtime hours or work night shifts. Some contractors also branch onto solar systems and applications.

You too can live your passion and become an Electrician. If you are fit, a quick thinker and possess mathematical aptitude, you are a good candidate.

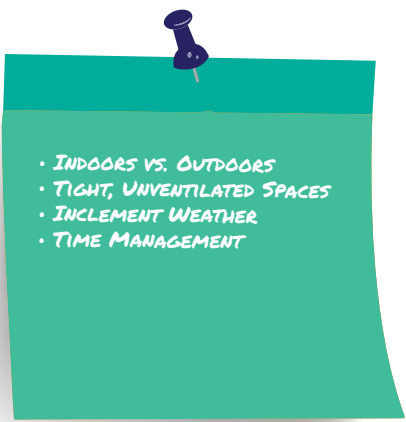
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- INSTALLATIONS + MAINTENANCE
 - TROUBLESHOOTING
 - RESIDENTIAL + COMMERCIAL
 - INSIDE WIREMEN VS. OUTSIDE LINEMEN

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- ORGANISATIONAL SKILLS
 - TROUBLESHOOTING SKILLS
 - GOOD COMMUNICATOR
 - DEADLINE DRIVEN

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- THEORY + PRACTICE
 - BUILDING CODES
 - LIFELONG LEARNING
 - CAREER PROGRESSION

I enjoy solving problems. Perhaps this explains why I find electrical fault-finding so interesting and why I am excelling in this area.

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- INDOORS VS. OUTDOORS
 - TIGHT, UNVENTILATED SPACES
 - INCLEMENT WEATHER
 - TIME MANAGEMENT

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- PUBLIC + PRIVATE SECTORS
 - INDEPENDENT CONTRACTOR
 - EXTENSIVE TRAVEL
 - SOLAR APPLICATIONS