



Electrician

Description

An electrician is a specialist for performance of electrical works. He is responsible for installation, maintenance, repair, replacement of electrical and electro-technical devices, appliances and systems. The electrician examines functionality of the connected systems, detects and remedies faults and maintains electrical systems. Electricians work on home electrical wiring, fire installation, lighting systems, computer and telecommunication networks, video surveillance systems, alarm systems and the like. They perform a number of operations ranging from the repair of home electrical appliances and devices to installation of electrical wiring in the residential buildings and construction facilities. After installation, he detects and remedies faults and omissions, if any. In his work he uses various tools and instruments for measurement of voltages and other electrical aspects. They have to be familiar with the technical documentation and wiring and electrical network diagrams. Working with electricity includes wearing of personal protective equipment and strict implementation of occupational safety measures. In order to detect and resolve electrical faults, electricians must be experts in electrical wiring, devices, instruments and their operation modes. They should also have an extensive theoretical and specialist knowledge and apply carefully selected methods of work.

In his work, electricians communicate with customers/clients, present different options and arguments for and against certain solutions, present detected fault and suggest how to resolve it. An electrician is required to have a good eyesight, good motor skills, to be precise and to be "good with his hands". When installing extended and challenging wiring, communication with colleagues, careful planning and organized work are crucial.

Desirable traits/requirements

- Manual dexterity/ hand skills;
- Good motor skills;
- Good eyesight and precision;
- Spatial orientation;
- Responsibility and reliability;
- Being well-organized and flexible;
- Communication skills;
- Teamwork.

Positive aspects:

- Electricians have a versatile and responsible job that provides opportunities for a wide application of practical skills and knowledge. Various devices and equipment are used in his work.

Negative aspects:

- Electrician's job requires good concentration skills, as making a mistake may cause serious consequences. Sometimes communication with customers may be very demanding. Working at the construction site involves exposure to various weather conditions.

Career path/ fields of work

The electrician's job requires completion of a three-year secondary vocational education.

Electricians may work in construction companies, service workshops, industrial facilities and power plants and may run their own business and work as independent contractors.