



## OCCUPATIONAL QUALIFICATION: ELECTRICIAN

SAQA ID 91761, Credits 360, NQF Level 04

### Career Overview: What do I do for a living?

An Electrician is trained and qualified to install, operate, repair, upgrade and service various electrical systems. These systems can include wiring, specialised electrical equipment and different fixtures. Electricians need to work within relevant codes and regulations.

Some Electricians may also install and service street lights, intercom systems and various control systems. They work in homes, complexes, housing developments, large skyscrapers, factories, power stations etc.

### What is the minimum entry level?

Grade 9, Matric( Grade 12) NQF Level 1 with Communication and Mathematical Literacy

### What skills and abilities are needed to become an Electrician?

- Good communication and reading skills
- An aptitude for Mathematics
- Mechanical ability, strength and manual dexterity
- The ability to distinguish colours to work with colour-coded wiring
- The ability to work at heights
- The willingness to keep up with new developments in the field
- The ability to create new ways of doing things
- The ability to do very precise work expertly
- Ability to work at a variety of exciting tasks

### Recognition of Prior Learning (RPL):

RPL for access to the external integrated summative assessment: Accredited providers and approved workplaces must apply the internal assessment criteria specified in the related curriculum document to establish and confirm prior learning. A statement of result or certified work experience record must then be issued by the accredited provider or workplace to confirm prior learning.

**RPL for access to the qualification:** Accredited providers and approved workplaces may recognise prior learning against the relevant access requirements.

## Articulation

The learner with this qualification should be able to articulate vertically with Higher Certificates in the Electrical or other related fields at NQF Level 5.

## What can I become?

- Domestic Electrician / Construction Electrician / Electrical Technician

## Electricians can specialise in different areas, namely:

- Regular Electrician / Engineering
- Electrician Construction Electrician / Mining
- Electrician Auto Electrician / Aircraft Electrician

## Other names for Electrician:

- Construction Electrician
- Electrical Contractor
- Electrical Fitter
- Electrical Wireman
- Electrician (Engineering)
- Electrician (General)
- Winder Electrical Technician

## Where can I work?

- Mining and Minerals Industry;
- Chemical;
- Metal, Engineering and related industries
- Factories, petroleum refineries, shipyards
- Construction industry
- Power plants and refineries
- Electrical and atomic power plants
- Government departments
- Public facilities like schools and hospitals

## What is the duration of the course?

The Duration is 3 years

## What does an Electrician do?

- designs layouts based on job specifications and local codes reads building plans to
- understand electrical circuits
- studies electrical configurations, orders supplies
- tests and inspects circuits and systems using specialised equipment
- installs complex electrical equipment, upgrades existing systems, fixes wires and circuits
- maintains and services electrical systems, trouble-shoots – diagnose and find solutions
- works with various electrical equipment and tools, drives from one site to another
- makes sure of safety at all times, works according to government regulations

## What are the working conditions of an Electrician?

- Electricians work a 40 or 45 hour day for five days a week plus overtime when needed. Working conditions can change dramatically from one job to another, varying from indoors in clean conditions to outdoors on scaffolding, to indoors in cramped conditions (such as climbing inside ceilings).
- Electricians are also able to start their own small businesses.

## How Much is the tuition fees?

- Registration fees: R1000
- Deposit fess: R5000 ( Includes Course Materials, PPE, Student Card, Assessment fees, Certification fees)
- Monthly Instalment Fees: R3000

