



# ELECTRICIAN

## Qualification Purpose

The purpose of this qualification is to prepare a learner to operate as an Electrician. Electricians plan, prepare install, test, connect, commission, maintain, alter, and repair electrical equipment, wiring and control systems and apply the knowledge and skills obtained, in a variety of contexts.

## Foundational Learning Competence (SAQA Minimum Entry Level)

NQF Level 1 qualification with Mathematics and Science

## Trade Test Requirements

Learner should have passed:

- N2 Electrical trade theory, Math's, Science, Industrial Electronics; or
- N2 Certificate including the four relevant subjects of maths, engineering science and a fourth subject as required by the trade: or
- technical trade theory programs quality assured by a SETA deemed to be equivalent to NQF level 3 (N2); or
- Relevant Engineering NCV Certificate with seven subjects at NQF level 3; or
- Technical Grade 11 with Maths, Science, Language, and related trade theory subject; or
- Relevant (directly related to the trade theory subjects) N6 certificate or National Technical Diploma (T, S or N stream.)

In addition to the above-mentioned minimum educational qualification the applicant must also have:

- Successfully completed all off the job practical training unit standards (in the case of learnerships) or modules (in the case of an apprenticeship) of an artisan learning program at an accredited training provider as verifiable by training records (logbook).
- Satisfied the requirements of the structured workplace, on the job, learning for a minimum period of 12 months verifiable through a workplace learning record (e.g. logbook) unless any other workplace period has been contractually specified before the date of publication of this Regulation.

**Note:** A Logbook is a record of all training the learner has received, contributing to their portfolio of evidence.

### Skills Obtained as Outcomes

- The ability to plan and prepare work site, equipment, tools, consumables and materials for electrical activities and operations.
- The ability to install, wire and connect electrical equipment and control systems.
- The ability to test and inspect electrical equipment, control systems and installations.
- The ability to commission control systems and installations.
- The ability to maintain and repair electrical equipment, control systems and installations.

### Qualification Outcome

Qualified Electrician (red seal) Internationally recognised.

### Types of Jobs Pertaining to the Trade

- Entrepreneur / Contractor
- as an electrician employee in any of the industries listed

### Industries where they can work if Qualified

- Mining
- Manufacturing
- Civil
- Agriculture
- Anywhere where steel fabrication needs to be done.

### Approximate Course Duration

#### Off the job practical training

- Phase 1 – Duration – 15 Weeks
- Phase 2 – Duration – 12 Weeks
- Phase 3 – Duration – 8 Weeks
- Phase 4 – Duration – 4 Weeks (Revision and Trade Test)

### Workplace (on the job) experience

- 18 months. Registered learner with SETA
- 3yrs ARPL route.

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#### National Campuses:

**Head Office:** Corner Georginia and Paul Kruger Street, Horison, Roodepoort, 1724 | Tel: 011-472 3443/4/5

**Gauteng:** Cnr Main Reef & Elias Motsoaledi Roads, Roodepoort, 1724 | Tel: 011-472 3443/4/5

**KwaZulu Natal:** Oribi East Flats Road, Oribi Gorge, Port Shepstone, 4340 | Tel: 010-109 7605

**Northern Cape:** 1 Molyneaux Road, Beaconsfield, Kimberley, 8315 | Tel: 053-110 0200/1

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