

Course Guideline

**Occupational Certificate
Electrician (NQF Level 4)**



OCCUPATIONAL

Certificate: Electrician (NQF Level 4, SAQA ID 91761)



Duration: 36 months
Credits: 360



A fully accredited 3-year apprenticeship combining theory, practical training & workplace experience.



Certification: Red Seal Certificate (Trade Test)

The programme equips learners with the knowledge, practical skills, and workplace experience to become competent, career-ready electricians. It combines classroom learning, workshops, and workplace exposure under the guidance of mentors.

What You'll Learn

You will gain the ability to:



Plan and prepare worksites, tools and materials for real-world electrical installations



Test, inspect & repair installations to industry standards



Install, wire & connect electrical equipment and control systems



Commission, maintain & repair electrical control systems in electrical installations

The assessment includes continuous formative evaluations throughout the course, summative assessments for all modules, and a final external integrated summative assessment (Trade Test). Successful learners will be awarded the Red Seal Certificate.

Campus & Facilities

- ▲ State-of-the-art workshops
 - ▲ Safety-first learning environments
 - ▲ Access to modern equipment
 - ▲ Small class sizes with individual mentorship
 - ▲ Industry partnerships for workplace placements and career pathways
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Additional Support & Services

Through Elevated Artisan Consulting, learners and employers gain access to:

- ▲ Technical consulting for the electrical industry
- ▲ Training centre development
- ▲ Advanced skills courses in Electrical & Refrigeration
- ▲ Collaborations in Plumbing & Welding

Accredited artisan training aligned with industry needs. **Hands-on workshops** combined with **real workplace** exposure. **Mentorship** that builds both confidence and **competence**.

Course Content

Year 1

Foundations

- Industry context, safety and legislation
 - Hand and workshop tools (engineering and power tools, testing instruments)
 - Fundamentals of electricity
 - Single-phase installations: wiring, equipment connection, and fault-finding
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Year 2

Intermediate Skills

- Three-phase electrical installations
 - Electrical rotating machines (AC motors)
 - Motor and starter circuits (single & three-phase: DOL, FWD/REV, Sequencing, Star/Delta)
 - Transformers
 - Basic electronics
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Year 3

Advanced Applications

- Commissioning of systems and components (auto transformer, advanced sequencing, slip-ring starters, oscillating circuits)
- Fault-finding on three-phase systems
- Programmable Logic Controllers (PLCs)
- Testing and commissioning of electrical installations



Programme Structure

Learning takes place in three integrated streams:

01

Knowledge Modules

Theory, safety, principles of electricity, industry standards.

02

Practical Workshops

Hands-on training in installation, wiring, fault-finding, and commissioning of electrical equipment and control systems.

03

Workplace Learning

Real-world application aligned with industry standards in professional environments.

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