



Electrical Engineering (Electrical General) – Level 2

Premium Technical & Vocational Training for Future Electricians and Electrical Technicians

This programme equips students with practical and theoretical competencies required in modern electrical engineering environments. Graduates gain hands-on exposure to electrical installations, testing procedures, circuit design, workplace safety, lighting systems, and electrical maintenance.

NQF LEVEL 2 • 103 CREDITS • INDUSTRY-FOCUSED TRAINING

Programme Overview

The qualification prepares students for careers in domestic, commercial, and industrial electrical environments. Training includes installation and testing of electrical wiring systems, electrical appliances, lighting systems, circuit protection devices, and electrical measurements. Students also develop entrepreneurship, computer literacy, engineering drawing, and workplace safety competencies.

Core Learning Areas

- Electrical Fundamentals & Circuit Protection
- Single-Phase Electrical Circuit Design
- Electrical Installation & Wiring
- Electrical Measurements & Testing
- Analogue and Digital Electronics
- Lighting Systems Installation & Maintenance
- Electrical Fixtures & Accessories
- Workplace Health & Safety
- Engineering Science & Engineering Drawing
- Computer Literacy & Entrepreneurship

Entry Requirements

Applicants should possess an Ordinary Level Certificate or equivalent qualification, together with basic communication skills in English, Numeracy, and Physical Science.

Industry Exposure

The programme includes workplace-integrated learning opportunities and industrial/job attachment exposure to strengthen practical skills and employability.

Career Opportunities

Graduates may pursue careers as:

- Electrical Installation Assistant
- Maintenance Technician
- Electrical Workshop Assistant
- Industrial Electrical Trainee
- Apprentice Electrician

Kalahari Technical Institute of Namibia
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