

Further Education and Training Certificate: Electronics

SAQA: 80306 | NQF Level: 4 | Total Credits: 122 | Duration: 1 Year (2 Semesters)
Accreditation Authority: Media, Information and Communication Technologies Sector Education and Training Authority (MICT SETA)

Advance your career with Electronics. This qualification is for individuals aiming to become Electronics Technicians. It provides the knowledge and skills to diagnose faults, repair, and maintain electronic equipment at a component level. It also facilitates Recognition of Prior Learning (RPL) for experienced workers and serves as a stepping stone to higher-level studies in electronics.

Admission Requirements

To register for this qualification, candidates must meet one of the following criteria:

- ❖ National Senior Certificate (NSC)
- ❖ NQF Level 4 qualification or equivalent
- ❖ Recognition of Prior Learning (RPL) is available for relevant industry experience

Qualification Structure

This qualification consists of three compulsory components Fundamental, Core and Electives, providing a comprehensive understanding of Electronics, totalling a minimum of 122 credits.

Unit Standard	Modules	NQF Level	Credits
SEMESTER 1			
Core Modules (COMPULSORY)			
253094	Perform electronic fault-finding	3	3
14939	Assemble a personal computer or handheld computer	4	7
246659	Demonstrate an Understanding of basic electrical and electronic principles	4	5
259139	Demonstrate and apply knowledge of basic digital electronic principles	4	10
259142	Demonstrate knowledge of applied communications technology	4	8
259170	Operate electronic test instruments	4	5
113873	Understand basic electrical and mechanical engineering principles	4	8
259137	Analyse fault reports and make decisions	5	5
259169	Construct DC power supplies	5	5
SEMESTER 2			
Fundamental Module (COMPULSORY)			
119472	Accommodate audience and context needs in oral/signed communication	3	5
119457	Interpret and use information from texts	3	5
119467	Use language and communication in occupational learning programmes	3	5
119465	Write/present/sign texts for a range of communicative contexts	3	5
9015	Apply knowledge of statistics and probability	4	6
119462	Engage in sustained oral/signed communication	4	5
119469	Read/view, analyse and respond to a variety of texts	4	5
9016	Represent analyse and calculate shape and motion	4	4
119471	Use language and communication in occupational learning programmes	4	5
7468	Use mathematics to investigate and monitor financial aspects	4	6
119459	Write/present/sign for a wide range of contexts	4	5
Elective Modules			
GENERIC			
9532	Demonstrate basic knowledge of computers	3	6
117499	Demonstrate entrepreneurial competence	4	12

Career Opportunities

Upon completing this qualification, Students can pursue various career opportunities, including:

- ❖ Computer Technician
- ❖ Computer Programmer
- ❖ Electronics Technician
- ❖ General Operator in electronics manufacturing, repair, or maintenance
- ❖ Communication Technician
- ❖ Instrument Technician

Articulation Options

- ❖ **Horizontal:** Certificates in Electrical Engineering, Electro-Mechanical Winding, or Automotive Repair NQF Level 4
- ❖ **Vertical:** National Certificate: Electronics Engineering Technology NQF Level 5