

ELECTRICAL ENGINEERING (HEAVY CURRENT) (NATIONAL N-DIPLOMA) FACT SHEET

PROGRAM	SAQA ID	NQF LEVEL	DURATION	QCTO ACCR NO.	CERTIFICATION BOARD
ELECTRICAL ENGINEERING	50908401	6	3 years	07QCTO/SDP250422-5364	DEPARTMENT OF HIGHER EDUCATION AND TRAINING.

Program Overview

An Electrical Heavy Current Program (like the N1-N6 National Certificate/Diploma) trains you for roles in **power generation, distribution, installation, and maintenance of high-voltage systems**, focusing on electricity grids, industrial machinery, lighting, and power cabling.

The National N-Diploma in Electrical Engineering consist of a theoretical part (N4 - N6) and two years' industry related experience. Each certificate is a qualification on its own but for a full National N-Diploma qualification a student must complete all the three certificates plus a Detailed 2-year practical Training Report (Poe).

Admission requirements

N4 Entry Requirement: Matric/Grade 12 (a pass in mathematics and science or N3 Pass (with mathematics and science) / equivalent .To proceed to next N-level student must pass all modules of the previous level and statement must indicate successfully completed i.e. N4 for N5, etc.

Selection Procedure

Proof of the above qualifications / reference to confirm suitability, must be supplied by a student upon registration.

Program Content

N4 CERTIFICATE	N5 CERTIFICATE	N6 CERTIFICATE
MATHEMATICS ENGINEERING SCIENCE INDUSTRIAL ELECTRONICS ELECTRO-TECHNICS Or SUPERVISORY MANAGEMENT	MATHEMATICS POWER MACHINES INDUSTRIAL ELECTRONICS ELECTRO-TECHNICS Or SUPERVISORY MANAGEMENT	MATHEMATICS POWER MACHINES INDUSTRIAL ELECTRONICS ELECTRO-TECHNICS Or SUPERVISORY MANAGEMENT CONTROL SYSTEMS

Course Duration

The duration of each level is THREE months, therefore a TRIMESTER timetable is followed. Registration takes place in January, April and August, enabling the successful student to accumulate THREE national certificates during the course of one year which will be equivalent to a National N-Diploma upon supplying evidence of 2 years practical training.

Career Path/opportunities

The holder of a National N-Diploma N4 – N6 in Electrical Engineering will be able to take up employment in one of the following fields:

Electrical Engineering & Construction

Industrial Engineering

Process Control

Digital Electronic Engineering

Industrial Electronic Engineering

Assessment

The pass requirement is a minimum of 40% per subject. Evaluations are cumulative, based on regular class tests and practical testing. During the trimester, two internal exams/assessment are written to qualify a student for examination and at the end of each trimester an external examination is written from Department of Higher Education and Training. National Certificate: The student will receive a national certificate from the Department of Education if all external department exams are passed. This certificate is not issued by us, but only by the department of education and a National N-Diploma will be awarded where a student has supplied the evidence of practical experience of 2 years.

Course Fees

R5 900 per N-Level excluding stationary.

Disclaimer

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