



# NATIONAL N CERTIFICATE

## ELECTRICAL ENGINEERING N4

### DESCRIPTION

Electrical engineering is an engineering discipline concerned with the study, design and application of equipment, devices and systems which use electricity, electronics and electromagnetism.

Electrical engineering is a profession engineering discipline that deals with the design, construction and maintenance of electrical components both a large scale (Heavy Current) and small scale (Light Current)

### ENTRY REQUIREMENT

1. Grade 12 with a pass in Mathematics and Physical Science
2. N3 Nated Certificate

### DURATION AND ACCREDITATION

3 Months for theory, simulations and on-site practicals

This course is accredited by the Quality Council for Trades and Occupations as the quality assurance body and the Department of Higher Education and training as the assessment body.

### EXAMINATION / ASSESSMENTS

The learner is externally assessed by Department of Higher Education and Training at the end of each trimester in the modules that the learner registered in that particular trimester. To qualify for this assessment, the learner has to obtain 40% in each of the Internal Continuous Assessments (Tests and assignments) conducted internally during the course of the trimester.

### CERTIFICATION

A National Nated Certificate in Electrical Engineering N4 will be issued on successful passing of all required N4 modules. This certificate is issued by Department of Higher Education and Training as the quality assurance and assessment body.

## COURSE OUTLINE / N4 MODULES

Subject Code	Subject Name	Credits	Field
<i>Compulsory Modules</i>			
1. 16030164	Mathematics	0.083	10
2. 08080164	Industrial Electronics	0.083	6
<i>Choose two from the following</i>			
3. 15070434	Engineering Science (Heavy Current)	0.083	6
4. 08080284	Logic Systems (Light Current)	0.083	6
5. 08080104	Fault Finding (Light Current)	0.083	6
6. 08080074	Electro-technics (Heavy Current)	0.083	6

### CAREER OPTIONS

- Electrical Technicians
- Electrical Technologists
- Electrical Trainers
- Industrial Managers

### REGISTRATION REQUIREMENTS

1. Applicant Certified ID / Passport copies
2. Parent / guardian / next of keen ID copies
3. 2 ID sized passport photographs
4. Proof of address
5. Grade 12 / N3 Certificate

### THE QUALIFICATION FEES STRUCTURE

*Registration fee is R1000.00 and Nonrefundable.*

SUBJECTS	4 SUBJECTS	3 SUBJECTS	2 SUBJECTS	1 SUBJECT
ADMISSION	R 1200.00	R 1000.00	R 800.00	R 600.00
MONTHLY INSTALLMENT	R 1200 * 3 = R 3600	R 1000 * 3 = R 3000	R 800 * 3 = R2400	R 600 * 3 = R 1800
<b>TOTAL FEES</b>	<b>R 5 800.00</b>	<b>R 5 000.00</b>	<b>R 4 200.00</b>	<b>R 3 400.00</b>

### College banking details

Standard Bank SA

Fredstone City College (Pty) Ltd

**Account NO:** 010117596939

**Ref:** Learner / Applicant full names