

# KEMPTON FET COLLEGE

## NATIONAL N1 – N3 SKILLS PROGRAMME: ELECTRICAL ENGINEERING FACT SHEET

PROGRAM	SAQA ID	NQF LEVEL	DURATION	DEPARTMENT OF HIGHER EDUCATION	CERTIFICATION BOARD
ELECTRICAL ENGINEERING	50108000	4	12 MONTHS	EXAMINATION CENTRE :899994804	DEPARTMENT OF HIGHER EDUCATION AND TRAINING.

### **Program Overview:**

The Electrical field of study consists of two main fields, namely Electrical Heavy Current and Electrical Light Current (also known as Electronics).

Electricians are involved in the generation, installation, distribution and usage of electricity via electrically-operated equipment, e.g. refrigerator, generators, stoves, heaters including industrial and domestic installations.

### **Admission requirements**

N1: Minimum of Grade 9 with Mathematics above 50% N2:

N1 or equivalent

N3: N2 or equivalent

### **Selection Procedure**

Proof of the above qualifications/reference and interview to confirm suitability, aptitude and experience

### **Programme content**

N1 CERTIFICATE	N2 CERTIFICATE	N3 CERTIFICATE
<ul style="list-style-type: none"> <li>○ Mathematics</li> <li>○ Engineering Science</li> </ul>	<ul style="list-style-type: none"> <li>○ Mathematics</li> <li>○ Engineering Science</li> <li>○ Industrial Electronics</li> <li>○ Electrical Trade Theory</li> </ul>	<ul style="list-style-type: none"> <li>○ Mathematics</li> <li>○ Engineering Science</li> </ul>

### **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.

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## Career Path/opportunities

The holder of a National N1 – N3 Certificate 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. At the end of each trimester an external examination is written.

As part of the transitional arrangements published in the Gazette, some of the N1 – N3 subjects are retained for the following purposes:

1. Providing articulation and a second chance to learners who have completed the National Senior Certificate (NSC) or equivalent qualification and would like to pursue studies towards National N Diploma: Engineering Studies or similar qualifications but did not meet the performance level required for admission.
2. Providing access to artisan training in those trades that currently do not have occupational qualifications and trade tests developed. The retained subjects have been clustered into Engineering Skills programmes for each level (N1 – N3) and allocated new programme codes.

These skills programmes are NOT qualifications registered on the National Qualifications Framework (NQF); therefore, students complete them for non-qualification purposes (as indicated in 1 and 2 above) and will only receive statements of results at completion.

## Course Fees

Course only – R5 900 4 subjects, stationary is not included