

PROGRAMME TITLE	LEVEL	SAQA ID	NQF
<b>National Certificate Electrical Engineering N1 – N2 (Heavy Current)</b>	<b>N1</b>	<b>67109</b>	<b>1</b>
	<b>N2</b>	<b>67375</b>	<b>2</b>
*Only offered at DHET registered exam centre campuses			

## DESCRIPTION

Electrical engineer's researches, designs, installs, and tests electrical and electronic equipment and supervises its manufacture. Their work involves the generation, distribution and management of all appliances and installations that generate or use electrical energy. Electrical engineering is often associated with power generation and distribution of power. The programme is designed to offer in-depth knowledge and a solid foundation essential for all electrical engineers.

Successful completion of the N1-N2 certificates could allow the learner to either become an artisan at a trade school or proceed to N3-N6 at Berea Technical College and qualify as a Electrical Engineer. This duration for the heavy current course is 1 year theoretical studies and the duration for the electrical engineering programme is two years theoretical studies and two years' work integrated learning. The Engineering Program at Berea Technical College strives to develop within students the ability to think analytically and creatively, and to become effective problem solvers

## CAREER FIELDS

With this qualification, successful learners could pursue a career as a:

- Electrician
- Artisan

## PROGRAMME OUTLINE

### National N1 Certificate

#### 1<sup>st</sup> Year 1<sup>st</sup> Semester Subjects

- |                        |    |
|------------------------|----|
| 1. Mathematics         | N1 |
| 2. Engineering Science | N1 |
| 3. Engineering Drawing | N1 |
| 4. FLC Communication   |    |

### National N2 Certificate

#### 1<sup>st</sup> Year 2<sup>nd</sup> Semester Subjects

- |                            |    |
|----------------------------|----|
| 1. Mathematics             | N2 |
| 2. Engineering Science     | N2 |
| 3. Electrical Trade Theory | N2 |
| 4. Industrial Electronics  | N2 |

## TYPE OF PROGRAMME

- Full Time : Minimum 1 Year
- Part time: Maximum 2 Years

## ADMISSION REQUIREMENTS

- A Grade 10 Certificate
- An introductory programme as determined by a technical college; or
- An equivalent qualification.

## LEARNER MATERIAL

All text books and Lab manuals are included from the tuition fees. A list of textbooks will be provided by your campus academic department.



# Berea Technical College

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www.btc.edu.za | City Campus: 539 Anton Lembede St, Durban

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**PRICING**

Enquire at the Berea Technical College campus for a current programme pricelist.

**ADDITIONAL COSTS**

There are additional costs such, a drawing board and some Engineering accessories, drawing instruments etc.

**EXAMINATION AUTHORITY**

- All examinations are National Examinations, set and administered by the Department of Higher Education and Training.

**CERTIFICATION**

- Certificates and diploma are issued by the Department of Higher Education and Training.
- All qualifications are nationally recognised by industry and universities.

Upon successful completion of this programme, learners will receive a:

- National Certificate at each level N1, N2 and FLC communication

**ARTICULATION**

Articulates into a trade school or N3 course by Berea Technical College .

**FURTHER STUDIES**

Please enquire at the nearest Berea Technical College campus for the prospectus containing post-certificate studies.

**DISCLAIMER**

*The information contained in this fact sheet is accurate at the time of printing. However, factors beyond Berea Technical College control (such as environmental, regulatory or technical changes) may cause the contents of this fact sheet or of the programme to change. In the event of any such change, Berea Technical College will formally notify current learners. All possible measures will be taken to minimise inconvenience to learners.*

Name of Learner: I....., hereby acknowledge that I understand the information stated in this document and fully comprehend the specifics explained above pertaining to this qualification.

Signature of Learner: .....

Name of Legal Guardian: .....  
(if applicable)

Signature: .....

Name of Sales Consultant: .....

Signature: .....

Name of Head of Department: .....

Signature: .....

Date: .....

\* Please note the original signed copy should be kept on the learner record file.



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