

PROGRAMME TITLE	LEVEL	SAQA ID	NQF
National Certificate	N3	67491	3
Mechanical Engineering N3 – N6	N4	66881	4
	N5	66960	5
	N6	67005	5
*Only offered at DHET registered exam centre campuses			

DESCRIPTION

Mechanical Engineering is the branch of Engineering that deals with design, manufacturing and operation of machinery. As a mechanical engineer you can expect to be involved in the design, manufacturing and maintenance of mechanical systems, be that vehicles, manufacturing plants, industrial machinery or even robotics.

The programme is designed to offer in-depth knowledge and a solid foundation essential for all mechanical engineers. This programme consists of 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:

- Mechanical Technician
- Entrepreneur
- Artisan
- Draughtsman
- Maintenance Planner

PROGRAMME OUTLINE

National N3 Certificate

1st Year 1st Semester Subjects

- | | |
|------------------------|----|
| 1. Mathematics | N3 |
| 2. Engineering Science | N3 |
| 3. Mechano-technology | N3 |
| 4. Engineering Drawing | N3 |

National N4 Certificate

1st Year 2nd Semester Subjects

- | | |
|--------------------------|----|
| 1. Mathematics | N4 |
| 2. Engineering science | N4 |
| 3. Mechanotechnics | N4 |
| 4. Mechanical Draughting | N4 |

National N5 Certificate

2nd Year 1st Semester Subjects

- | | |
|----------------------|----|
| 1. Mathematics | N5 |
| 2. Mechanical Design | N5 |
| 3. Mechanotechnics | N5 |
| 4. Power Machines | N5 |



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National N6 Certificate**2nd Year 2nd Semester Subjects**

- | | |
|----------------------|----|
| 1. Mathematics | N6 |
| 2. Mechanical Design | N6 |
| 3. Mechanotechnics | N6 |
| 4. Power Machines | N6 |

TYPE OF PROGRAMME

- Full Time : Minimum 2 Years
- Part time: Maximum 4 Years
- In-Service Training: 24 Months

ADMISSION REQUIREMENTS

- Learners need one of the following:
- A National Senior Certificate with Maths and Physical Science
- A Senior Certificate with Maths and Physical Science
- An FETC.
- An N2 certificate in the relevant specialisation area.

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.

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 N3, N4, N5, N6
- National N Diploma in Mechanical Engineering (on completion of N4-N6 and 24 months in-service training)



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PROGRESSION TOWARDS NATIONAL N DIPLOMA

A candidate who has successfully completed the N4, N5 and N6 Certificates, may pursue the following path in order to obtain the National N Diploma, as per Report 191 by the DHET. The candidate must have:

- A minimum of 12 advanced instructional offerings, with at least a pass in three instructional offerings in each of the following levels: N4, N5 and N6, but with a maximum of five N4 instructional offerings.
- 2 instructional offerings at N6 level must be relevant to the candidate’s vocation.
- The candidate must obtain work experience of two years in industry that has as its main function the practical execution of the 2 instructional offerings mentioned above.
- At the end of this period, the candidate is required to produce documentary proof to the DHET (letter from employer, stating KPAs and date of employment period) of applicable experience.
- Candidate must present the N4, N5 and N6 certificate, together with above letter from employer, to the DHET to apply for the National N Diploma.

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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