

MECHANICAL ENGINEERING (NATIONAL N-DIPLOMA) FACT SHEET

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**A F R I C A N
A C A D E M Y**

Programme: NATIONAL N-DIPLOMA IN MECHANICAL ENGINEERING N4 – N6

Description

The N4 to N6 Mechanical Engineering programme covers all the trades in Mechanical related industries.

The Mechanical Engineer You will be able to design mechanical equipment, manage design projects and work effectively in engineering field. For those who want to be part of upgrading of living standards, a career in Mechanical Engineering will bring great rewards.

The National N-Diploma consists of a 1-year theoretical component (N4 – N6) as well as an industrial practical component of 2 years.

Admission requirements

N4 Entry Requirement: Matric/Grade 12 (a pass in mathematics and science or N3 Pass (with mathematics and science)

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 and interview to confirm suitability, aptitude and experience

Programme content

N4 CERTIFICATE	N5 CERTIFICATE	N6 CERTIFICATE
Mathematics	Mathematics	Mathematics
Engineering Science	Power Machines	Power Machines
Mechanical Draughting	Mechanical Drawing & Design	Mechanical Drawing & Design
Mechanotechnics	Mechanotechnics	Mechanotechnics
Supervisory Management	Fluid Mechanics (Choice Subject)	Fluid Mechanics (Choice subject)
	Strength of Materials and Structures (Choice Subject)	Strength of Materials and Structures (Choice Subject)
	Supervisory Management	Supervisory Management

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

Depending on the necessary practical experience/ programme specific training, the following opportunities are available for Mechanical Engineering students:

- Air Conditioning
- Assembly Plants
- Construction
- Diesel Mechanic
- Draughtsmen (with additional subjects)
- Fitting & Turning
- Fitting and Machining
- Hydraulics

- Mechanical Engineering
- Metallurgical Engineering
- Mining
- Motor Industry
- Tool Making
- Welding

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 tests are written to qualify a student for examination and at the end of each trimester an external examination is written.

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 where a student has supplied the evidence of 2 years' practical experience.

Course Fees

R11 000 Per N-Level excluding books.

Text books for this course per trimester will not exceed R1500 which has to be paid for by a student.

Module fee is R3000 excluding books.

Drawing Kit is not included in the study fees.

Regulatory Information

This programme is accredited and quality assured by the Quality Council for Trades and Occupations (QCTO)

Disclaimer

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