AFRICAN ACADEMY

# FACT SHEET

**Programme: NATIONAL N-DIPLOMA IN MECHANICAL ENGINEERING N5 – N6**
**Part time: Online sessions with virtual lecturing sessions**

**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 (N5 – N6) with 2 years logbook expirience in workplace.

**Admission requirements**
Relevant N4 achieved already to be able to articulate into N5-6

NOTE

Note this programme is being phased out by December 2027.

**Programme content:**

| N5 Subjects | N6 Subjects |
|---|---|
| • Mathematics Power Machines<br>• Mechanical Drawing & Design<br>• Mechanotechnics<br>• Fluid Mechanics (Choice Subject)<br>• Strength of Materials and Structures (Choice Subject)<br>• Supervisory Management | Mathematics Power Machines<br>Mechanical Drawing & Design Mechanotechnics<br>Fluid Mechanics (Choice subject)<br>Strength of Materials and Structures (Choice Subject)<br>Supervisory Management |

**Duration**
Trimester cycles according to the Department of Higher Education and Training calendar.

**Course Fees:**

Pricing Available Upon Redquest

**Additional Costs (books, kits, etc)**
Additional cost will include textbooks and drawing kits if needed.

Drawing Kit is not included in the study fees.

**Articulation:**

National N Diploma with completion of N4-6 (4 subjects minimum per level) and 18 Months in service training. Application for the N Diploma will be done at the college with the DHET. With 6 Years experience in the industry the candidate can register with ECSA as a professional technician.

**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 Mining Engineering
- Metallurgical Engineering
- Automotive Engineering
- Mechanical Engineering
- Naval Engineering
- Mechanical Design Engineering

**Certification:**
On successful completion of the programme, the student will receive a National N-Diploma from the DHET.

**Disclaimer**
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**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.

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| | 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. |

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