



AFRICA FET COLLEGE

NATIONAL N1 – N3 SKILLS PROGRAMME: MECHANICAL ENGINEERING FACT SHEET

| PROGRAM | SAQA ID | NQF LEVEL | DURATION | DEPARTMENT OF HIGHER EDUCATION & TRAINING | CERTIFICATION BOARD |
|------------------------|----------|-----------|-----------|---|--|
| MECHANICAL ENGINEERING | 50108000 | 4 | 12 MONTHS | EXAMINATION CENTER:899992894 | DEPARTMENT OF HIGHER EDUCATION AND TRAINING. |

Program Overview

Mechanical Engineering covers the design, manufacture and maintenance of a wide range of Industrial appliances.

This field of study is suitable for persons who are interested in following a technical career path and have the ability to work with their hands.

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

Program content

| N1 CERTIFICATE | N2 CERTIFICATE | N3 CERTIFICATE |
|---|--|---|
| <ul style="list-style-type: none"> ○ Mathematics ○ Engineering Science ○ Engineering Drawing | <ul style="list-style-type: none"> ○ Mathematics ○ Engineering Science ○ Engineering Drawing OR ○ Motor Trade Theory ○ Fitting and Machining Trade Theory ○ Plating and Structural Steel Drawing ○ Welder theory | <ul style="list-style-type: none"> ○ Mathematics ○ Engineering Science ○ Engineering Drawing |

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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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 internal exams/assessment are written to qualify a student for examination and at the end of each trimester an external examination is written from Department of Higher Education and Training.

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.

Career Path/opportunities

The holder of a National N1 – N3 Certificate in Mechanical Engineering will be able to take up employment in one of the following fields:

Draughts person
Fitter & Turner
Toolmaker
Millwright
Machinist
Instrument Technician
Mechanical Technician AutoCAD
Designer

Course Fees

Course only – R5 900.00 4 subjects excluding stationary.