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

- Mechanical Engineering
- Metallurgical Engineering
- Fitting/ Fitting and Machining
- Fitting & Turning
- Mining
- Assembly Plants
- Construction
- Welding
- Tool Making
- Hydraulics
- Air Conditioning
- Motor Industry
- Draughtsmen (with additional subjects)
- Diesel Mechanics
REPORT 191 (NATED) N1 – N6
Study opportunity at Public FET Colleges

Public FET Colleges offer a stimulating, contemporary and relevant programme of study in Mechanical Engineering. This programme is one of the well-known trusted programmes at FET Colleges.

This programme is intended to directly respond to the priority skills demands of the modern economy for Artisan development. The programme prepares a student to be able to work in different sections of the Mechanical Engineering industry.

What is the REPORT 191 (NATED) N1-N6 Mechanical Engineering qualification?

The REPORT 191 (NATED) N1-N6 Mechanical Engineering qualification is a qualification from Levels N1-N6. This qualification is designed to provide the theory of Mechanical Engineering. The practical component can be offered in our fully equipped training centre. It provides students with an opportunity to experience actual practical work situations during the period of study. It also includes a period as an apprentice or a learnership to enable a person to be qualified.

What are the minimum entry requirements to the qualification?

Entry requirement:
- Gr 9/10/11 - N1 with a letter of employment from an accredited employer
- Gr 12 with Maths literacy – N1
- Gr 12 with Maths and Science (New curriculum) above 60% average – N2
- Gr 12 with Maths and Science (Old curriculum) above 50% average and the relevant trade subject – N3
- Entry requirements for N4 is N3 passed with all four subjects

Which subjects make up the N1-N6 studies for Mechanical Engineering?

N1
- Fitting & Machining Theory/Metalworkers’ Theory/Motor Trade Theory
- Mathematics
- Engineering Science
- Engineering Drawing /Plate & Structural Steel Drawing

N2
- Fitting & Machining Theory/Platers’ Theory/Motor Trade Theory/Diesel Trade Theory
- Mathematics
- Engineering Science
- Engineering Drawing/Plate & Structural Steel Drawing

N3
- Mechatronics/ Motor Trade Theory/Diesel Trade Theory
- Mathematics
- Engineering Science
- Engineering Drawing

N4
- Electrotechnics
- Industrial Electronics
- Mechatronics
- Mathematics
- Engineering Science
- Supervisory Management

N5
- Electrotechnics
- Strength of Materials & Structures
- Power Machines
- Mechatronics
- Fluid Mechanics
- Supervisory Management

N6
- Control Systems
- Power Machines
- Mechatronics
- Supervisory Management
- Strength of Materials & Structures
- Fluid Mechanics

Duration of programme

Engineering programmes follow a trimester calendar so each of N1–N6 is 12 weeks Per N-Level which includes the National examination, with registration during January/May/August.

Certificate:
Twelve weeks (One trimester) per N-level from N1-N6 = 6 Trimesters if a person takes 4 subjects per trimester.

National Diploma:
Work for 24 months (2 years) in the Mechanical field of engineering industry obtaining relevant experience in at least two of the subjects done in N6, then apply for a National Diploma at the campus where they have studied.