

SCHOOL OF ENGINEERING PROSPECTUS – FULL TIME CLASSES

COURSES OFFERED

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National Diploma Engineering Studies (N4 – N6)

N.B A student will qualify for a National N Diploma in **Engineering studies** on completion of a minimum of 12 subjects, ranging from N4 - N6, together with a minimum of 2 years in-service training.

The College assists students with in service training as part of the learner support programme.

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TIP If you intend to do N3 and N4 for the first time its strongly advisable to study for 5 months this will enable you to have enough time in order to pass. Then you can do the other levels for 2.5 months each. Fees for the 5 months period have been worked out. See page 9.

National Certificate Engineering Studies (Electrical Engineering) N1 - N3

Entrance requirements: Grade 9 or its equivalent

Duration: 9 months

Award

BURSARY 20 – 100%

Apply : www.damtraining.co.za

Distance & Exam only is acceptable

A student will qualify for a National N Certificate in **Electrical Engineering** on completion of a minimum of 4 subjects on N3 Level.

Certification Body :

The N Certificate is issued by the National Department of Education and is recognized by Commerce and Industry.

Syllabus

First trimester (N1 Subjects)

- Math
- Engineering Science
- Industrial Electronics
- Electric Trade Theory

Second trimester (N2 Subjects)

- Mathematics
- Engineering Science
- Industrial Electronics
- Electric Trade Theory

Third trimester (N3 Subjects)

- Math
- Engineering Science
- Industrial Electronics
- Electro Technology



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Distance & Exam only is acceptable

National Certificate Engineering Studies (Civil Engineering) N1 - N3

Entrance requirements: Grade 9 or its equivalent

Duration : 9 months

Award

Award: A student will qualify for a National N Certificate in **Civil Engineering** on completion of a minimum of 4 subjects on N3 Level.

Certification Body:

The N Certificate is issued by the National Department of Education and is recognized by Commerce and Industry

First trimester (N1 Subjects)

Mathematics / Industrial Orientation
Building Science
Building Drawing
Brick Laying and Plastering Theory

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Second trimester (N2 Subjects)

Mathematics / Industrial Orientation
Building Science
Building Drawing
Brick Laying and Plastering Theory

Third trimester (N3 Subjects)

Mathematics
Building Science
Building Drawing
Building and civil technology



National Certificate Engineering Studies (Boilermaking) (welding)N1 - N3

Entrance requirements: Grade 9 or its equivalent

Duration: 9 months

This course provides the learner with accessibility to be employed within the Engineering field **Boiler making (welding)** and provides the flexibility to pursue different careers across various industry sectors and articulate within industries such as:

- Boiler making
- Maintenance
- other related construction industry sectors.

Award: A student will qualify for a National N Certificate in Engineering Studies on completion of a minimum of 4 subjects on N3 Level.

Certification Body:

The N Certificate is issued by the National Department of Education and is recognized by Commerce and Industry.

First trimester (N1 Subjects)

Mathematics
Engineering Science
Plating & structural Steel Drawing
Platers Theory (Boiler Making)

Second trimester (N2 Subjects)

Mathematics
Engineering Science
Plating & structural Steel Drawing
Plater's Theory (Boiler making)

Third trimester (N3 Subjects)

Mathematics
Engineering Science
Plating & structural Steel Drawing
Mechanotechnology



National Certificate Engineering Studies Mechanical Engineering N1-N3

Entrance requirements: Grade 12 or its equivalent

Duration: 9 months

Award: A student will qualify for a National N Certificate in **Mechanical Engineering** on completion of a minimum of 4 subjects on N3 Level.

Certification Body:

The N Certificate is issued by the National Department of Education and is recognized by Commerce and Industry

First trimester (N1 Subjects)

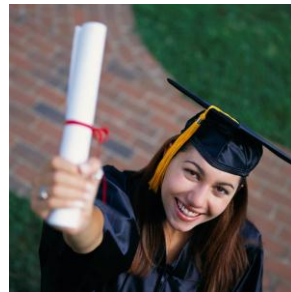
- Math
- Engineering Drawing
- Motor Trade Theory
- Engineering Science

Second trimester (N2 Subjects)

- Math
- Engineering Drawing
- Motor Trade Theory
- Engineering Science

Third trimester (N3 Subjects)

- Math
- Engineering Drawing
- Motor Trade Theory
- Engineering Science



National Diploma in Engineering Studies (Electrical Engineering – Heavy Current) N4–N6

Entrance requirements: Grade 12 or its equivalent

Duration: 9 months

Award:

A student will qualify for a National N Diploma Engineering Studies Electrical Engineering on completion of a minimum of 12 subjects, ranging from N4 to N6, together with a minimum of two years in-service training.

The College assists students with the in service training as part of the learner support programme

Certification Body:

The N Diploma is issued by the National Department of Education and is recognized by Commerce and Industry

First trimester (N4 Subjects)

- Math
- Industrial Electronics
- Electro Technics
- Engineering Science



Second trimester (N5 Subjects)

- Electro Technics
- Mathematics
- Engineering Physics
- Industrial Electronics

Third trimester (N6 Subjects)

- Industrial Electronics
- Mathematics
- Electro Technics
- Engineering Physics

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Apply : www.damtraining.co.za

Distance & Exam only is acceptable

National Diploma in Engineering Studies (Civil Engineering) N4 – N6

Entrance requirements: Grade 12 or its equivalent

Duration: 9 months

Award:

A student will qualify for a National N Diploma Engineering Studies (Civil Engineering) on completion of a minimum of 12 subjects, ranging from N4 to N6, together with a minimum of two years in-service training. **The College assists students with the in service training as part of the learner support programme.**

Certification Body:

The N Diploma is issued by the National Department of Education and is recognized by Commerce and Industry.

Syllabus

First trimester (N4 Subjects)

- Mathematics
- Quantity Surveying
- Building and Structural Construction
- Building Administration

Second trimester (N5 Subjects)

- Mathematics
- Quantity Surveying
- Building and Structural Construction
- Building Administration

Third trimester (N6 Subjects)

- Mathematics
- Quantity Surveying
- Building and Structural Construction
- Building Administration



National Diploma in Engineering Studies (Mechanical Engineering) N4 – N6

Entrance requirements: Grade 12 or its equivalent

Duration: 9 months

Award:

A student will qualify for a National N Diploma Engineering Studies (Mechanical Engineering) on completion of a minimum of 12 subjects, ranging from N4 to N6, together with a minimum of two years in-service training. **The College assists students with the in service training as part of the learner support programme.**

Certification Body:

The N Diploma is issued by the National Department of Education and is recognized by Commerce and Industry

First trimester (N4 Subjects)

- Mathematics
- Engineering Science
- Mechanical Draughting
- Mechanotechniques

Second trimester (N5 Subjects)

- Mathematics
- Engineering Physics
- Mechanotechniques
- Mechanical Drawing and design

Third trimester (N6 Subjects)

- Mathematics
- Engineering Physics
- Mechanical Drawing and design
- Mechanotechniques



National Certificate Engineering Studies Boiler Making N4

Entrance requirements :Grade 9 or its equivalent

Duration : 3 Months

Award

A student will qualify for a National N Certificate in **Mechanical Engineering** on completion of a minimum of 4 subjects on N4 Level.

Certification Body :

The N Certificate is issued by the National Department of Education and is recognized by Commerce and Industry.

Syllabus First trimester Subjects (N4 Subjects)

- Mathematics
- Engineering Science
- Plating and Structural Steel Drawing.
- Mechanotechniques



During the assessment process, Learners are given Learning materials that consist of;

1. Well-Structured course materials which are based on the likely examinations questions learners are likely to meet in their final examinations
2. Assignments extracted from previous examination papers, the term mark which is sent to the Examinations Department of Education is compiled from the assignments
3. Past paper questions for practice

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