

**SCHOOL OF ENGINEERING
PROSPECTUS
(Full Time, Part Time and Correspondence)**

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.

National Diploma Engineering Studies (N4 – N6)

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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*

**National Certificate Electrical Engineering (N1-N3)
(Heavy Current)**

PRACTICAL SKILLS OFFERED

Entrance requirements: Grade 9 or its equivalent

Duration: 9 months

Award

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
- Electro Technology

**Fees see page
14-16**

**National Certificate Electrical Engineering (N1-N3
(Electronic Electrician)**

PRACTICAL SKILLS OFFERED

Entrance requirements: Grade 9 or its equivalent

Duration: 9 months

Award

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
- Radio Theory
- Industrial Electronics

Second trimester (N2 Subjects)

- Mathematics
- Logic Systems
- Radio Theory
- Industrial Electronics

Third trimester (N3 Subjects)

- Math
- Logic Systems
- Radio Theory
- Industrial Electronics

**Fees see page
14-16**

**National Certificate Electrical Engineering (N1-N3
(Instrument Technician)**

PRACTICAL SKILLS OFFERED

Entrance requirements: Grade 9 or its equivalent

Duration: 9 months

Award

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
- Electric Trade Theory
- Industrial Electronics

Second trimester (N2 Subjects)

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

Third trimester (N3 Subjects)

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

**Fees see page
14-16**

**National Certificate Mechanical Engineering (N1-N3)
(Motor/Diesel Mechanic)
*PRACTICAL SKILLS OFFERED***

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 Science
- Engineering Drawing
- Motor Trade Theory
- Diesel Trade Theory

**Fees see page
14-16**

Second trimester (N2 Subjects Choose 4)

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

Third trimester (N3 Subjects Choose 4)

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

**National Certificate Mechanical Engineering (N1-N3)
(Fitting & Turner)
*PRACTICAL SKILLS OFFERED***

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 Science
- Engineering Drawing
- Fitting and Machining Theory

Second trimester (N2 Subjects)

- Math
- Engineering Science
- Engineering Drawing
- Fitting and Machining Theory

Third trimester (N3 Subjects)

- Math
- Engineering Science
- Engineering Drawing
- Mechanotechnology

**Fees see page
14-16**

**National Certificate Mechanical Engineering (N1-N3
(Boiler Maker/Welding/Fabricator)**

PRACTICAL SKILLS OFFERED

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 (Welding)
- Fabricator
- 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
- Metal Workers Theory

Second trimester (N2 Subjects)

- Mathematics
- Engineering Science
- Plating & structural Steel Drawing
- Plater's Theory
- Welders Theory

Third trimester (N3 Subjects)

- Mathematics
- Engineering Science
- Plating & structural Steel Drawing
- Mechanotechnology



**Fees see page
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**National Certificate Civil Engineering (N1-N3
(Plumbing, Carpentry &Roofing, Bricklaying & plastering)**

PRACTICAL SKILLS OFFERED

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

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First trimester (N1 Subjects choose 4)

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

Second trimester (N2 Subjects Choose 4)

- Mathematics / Industrial Orientation
- Building Science
- Building Drawing
- Brick Laying and Plastering Theory
- Plumbing Theory
- Carpentry &Roofing

Third trimester (N3 Subjects Choose 4)

- Mathematics
- Building Science
- Building Drawing
- Building and civil technology
- Supervision in Industry



**National Diploma in Electrical Engineering (N4-N6)
(Heavy Current)**

PRACTICAL SKILLS OFFERED

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 Choose 4)

- Math
- Engineering Science
- Industrial Electronics
- Electro Technics
- Fault Finding & Protective Devices



Second trimester (N5 Subjects Choose 4)

- Mathematics
- Electro Technics
- Industrial Electronics
- Power Machines
- Fault Finding & Protective Devices

Third trimester (N6 Subjects Choose 4)

- Mathematics
- Electro Technics
- Industrial Electronics
- Power Machines
- Fault Finding & Protective Devices

**Fees see page
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**National Diploma in Electrical Engineering (N4-N6)
(Electronic Electrician)**

PRACTICAL SKILLS OFFERED

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

Certification Body:

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

First trimester (N4 Subjects Choose 4)

- Math
- Industrial Electronics
- Communication Electronics
- Digital Electronics
- Computer Principals



Second trimester (N5 Subjects)

- Math
- Industrial Electronics
- Digital Electronics
- Computer Principals

Third trimester (N6 Subjects Choose 4)

- Math
- Industrial Electronics
- Digital Electronics
- Computer Principals

**Fees see page
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**National Diploma in Electrical Engineering (N4-N6)
(Instrument Technician)**

PRACTICAL SKILLS OFFERED

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 Choose 4)

- Math
- Digital Electronics
- Industrial Electronics
- Industrial Instruments

Second trimester (N5 Subjects Choose 4)

- Math
- Digital Electronics
- Industrial Electronics
- Industrial Instruments

Third trimester (N6 Subjects Choose 4)

- Math
- Digital Electronics
- Industrial Electronics
- Industrial Instruments

**Fees see page
14-16**

**National Diploma in Mechanical Engineering (N4-N6)
(Mechanical Technician)**

PRACTICAL SKILLS OFFERED

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
- Power Machines
- Mechanotechniques
- Mechanical Drawing and design

Third trimester (N6 Subjects)

- Mathematics
- Power Machines
- Mechanotechniques
- Mechanical Drawing and design

**National Diploma in Mechanical Engineering (N4-N6)
(Mechanical Technician)
PRACTICAL SKILLS OFFERED**

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
- Mechanotechniques
- Plating & structural Steel Drawing

Second trimester (N5 Subjects)

- Mathematics
- Power Machines
- Fluid Machines
- Strength of Materials

Third trimester (N6 Subjects)

- Mathematics
- Power Machines
- Fluid Machines
- Strength of Materials

Entrance requirements: Grade 12 or its equivalent

**National Diploma in Civil Engineering (N4-N6)
(Building & Construction)
PRACTICAL SKILLS OFFERED**

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 Choose 4)

- Mathematics
- Quantity Surveying
- Building and Structural Construction
- Building Administration
- Building and structural Surveying
- Supervision Management
- Production & Quality Control

Second trimester (N5 Subjects Choose 4)

- Mathematics
- Building and Structural Construction
- Building Administration
- Building and structural Surveying
- Supervision Management
- Production & Quality Control

Second trimester (N5 Subjects Choose 4)

- Mathematics
- Quantity Surveying
- Building and Structural Construction
- Building Administration
- Building and structural Surveying
- Supervision Managemme
- Production & Quality Control

FEES DETAILS

FULL TIME NORMAL FEES FOR 2023 INCLUDES PRACTICALS ENGINEERING STUDIES						
Subjects	4 Subj	3 Subj	2 Subj	1 Sub	N1-N3	N4-N6
Registration	R625	R625	R625	R625	R625	R625
Deposit	R1500	R1375	R1125	R1000	R1500	R1500
Monthly	R1200* 2	R1060* 2	R940* 2	R800 * 2	R1200 * 8	R1200* 8
N3 Cert					R300	
Exam Fee	R120 * 4	R120 * 3	R120 * 2	R120	R120 *1 2	R120 *1 2
T-Shirt	R120	R120	R120	R120	R120	R120
Student card	R50	R50	R50	R50	R50	R50
Total	R5175	R4650	R4040	R3515	R13635	R13335
Cash Fee	R4658	R4185	R3370	R2800	R12300	R12000

FULL TIME FEES WITH 20% BURSARY INCLUDES PRACTICALS ENGINEERING STUDIES						
Subjects	4 Subj	3 Subj	2 Subj	1 Sub	N1-N3	N4-N6
Registration	R500	R500	R500	R500	R500	R500
Deposit	R1200	R1100	R900	R800	R1200	R1200
Monthly	R950 * 2	R850 * 2	R750 * 2	R650 * 2	R950 * 8	R950 * 8
Exam fee	R100* 4	R100 * 3	R100 * 2	R100	R100 * 12	R100 * 12
N3 Cert					R300	
T-Shirt	R100	R100	R100	R100	R100	R100
Student card	R40	R40	R40	R40	R40	R40
Total	R4140	R3740	R3240	R2840	R10840	R10640
Cash Fee	R3700	R3366	R2600	R2770	R9750	R9700

N.B Assessment fee is optional R150 per subject

PART TIME NORMAL FEES FOR 2022 ENGINEERING STUDIES FEES INCLUDE PRACTICALS						
Subjects	4 Sub	3 Sub	2 Sub	1 Sub	N1-N3	N4-N6
Registration	R500	R500	R500	R500	R500	R500
Deposit	R1200	R1100	R900	R800	R1200	R1200
Monthly	R950 * 2	R850 * 2	R750 * 2	R650 * 2	R950 * 8	R950 * 8
Exam fee	R100* 4	R100 * 3	R100 * 2	R100	R100 * 12	R100 * 12
N3 Cert					R300	
T-Shirt	R100	R100	R100	R100	R100	R100
Student card	R40	R40	R40	R40	R40	R40
Total	R4140	R3740	R3240	R2840	R10840	R10640
Cash Fee	R3700	R3366	R2600	R2770	R9750	R9700

N.B Assessment fee is optional R150 per subject

FEES DETAILS

REPEATING FEES FOR 2023 FULL TIME ENGINEERING STUDIES				
Subjects	4 Subjects	3 Subjects	2 Subjects	1 Subject
Registration	R500	R500	R500	R500
Monthly	R950 * 2	R900 * 2	R850 * 2	R750 * 2
Exam Fee	R100 * 4	R100 * 3	R100 * 2	R100
Total	R2800	R2600	R2400	R2100
Cash Fee	R2500	R2350	R2160	R1900

NO BURSARY ON REPEATING

WRITE ONLY FEES FOR 2023 INCLUDES BOOKS ENGINEERING STUDIES				
Subjects	4 Subjects	3 Subjects	2 Subjects	1 Subject
Registration	R500	R500	R500	R500
Deposit	R1000	R900	R700	R600
Monthly	R950 * 2	R900 * 2	R850 * 2	R750 * 2
Exam Fee	R100 * 4	R100 * 3	R100 * 2	R100
Total	R3800	R3500	R3100	R2700
Cash Fee	R3400	R3150	R2800	R2430

INSTALLATION RULES PAPER 1 AND 2, SPECIALISED ELECTRICAL INSTALLATION CODES PAPER 1 AND 2	
Subjects	4 Subjects
Registration	R500
Deposit	R1000
Monthly	R610 * 1
Exam Fee	R100
Total	R2500
Cash Fee	R2250

NB Assessment fee is optional R300 for the course

FEES DETAILS

ENGINEERING (N1/N2/N3/N4/N5/N6) 5 Months

FULL TIME NORMAL FEES FOR 2023 INCLUDES PRACTICALS ENGINEERING STUDIES FEES INCLUDE PRACTICALS				
Subjects	4 Sub	3 Sub	2 Sub	1 Sub
Registration	R625	R625	R625	R625
Deposit	R1500	R1375	R1125	R1000
Monthly	R1200* 4	R1060* 4	R940* 4	R800 * 4
Exam fee	R100 * 4	R100 * 3	R100 * 2	R100
N3 Cert	A Certificate Fee of R300 for N3 will be added			
T-Shirt	R100	R100	R100	R100
Student card	R50	R50	R50	R50
Total	R7475	R6690	R5860	R5075
Cash Fee	R6700	R6000	R5274	R4570

N.B Assessment fee is optional R150 per subject

ENGINEERING (N1/N2/N3) 5 Months

FULL TIME FEES WITH 20% BURSARY INCLUDES PRACTICALS ENGINEERING STUDIES FEES INCLUDE PRACTICALS				
Subjects	4 Sub	3 Sub	2 Sub	1 Sub
Registration	R500	R500	R500	R500
Deposit	R1200	R1100	R900	R800
Monthly	R950 * 4	R850 * 4	R750 * 4	R650 * 4
Exam fee	R100* 4	R100 * 3	R100 * 2	R100
N3 Cert	A Certificate Fee of R300 for N3 will be added			
T-Shirt	R100	R100	R100	R100
Student card	R40	R40	R40	R40
Total	R5840	R5440	R4740	R4140
Cash Fee	R5256	R4900	R4270	R3700