



Aldabri 106 (Pty) Ltd t/a

Institute for Quality

Education, Training and Development

ETDP - 0164

Learning for Life

National Certificate in Engineering Studies

Institute For Quality College offers the National Certificate in Engineering Studies at N2 - N3 level. This is a Foundation Qualification for the National N Diploma. The course content provides a solid grounding for further study towards the National N Diploma. Their specialised and place of training all differ because of their own uniqueness and complexity. The National Certificate in Engineering affords you an opportunity to assess your aptitude, ability and interests in a particular field of Engineering e.g. Electrical, Mechanical, Chemical or Civil.

Admission Requirements

N2 and N3 Qualifications are available to students who don't meet the entry requirements for n4.

Grade 10 with Mathematics and Science or N1 Certificate.

Study Material Provided.

Course Duration

1 year

Curriculum

First Year

Semester One

- N2 National Certificate
- Mathematics N2
- Engineering Science N2
- Engineering Drawing N2
- Industrial Orientation N2

First Year

Semester Two

- N3 National Certificate
- Mathematics N3
- Engineering Science N3
- Industrial Orientation N3
- Industrial Drawing N3

Career Opportunities

Course offerings are subject to the Department of Higher Education and training's Examination timetable for the current year.

National N Diploma in Chemical Engineering

This course covers N4 - N6 level Chemical Engineering. The qualification earned is a National N Diploma in Chemical Engineering that is nationally recognised by industry and Universities.

Admission Requirements

N3 or a Senior Certificate or NSC with a minimum pass of 40% in Mathematics and Physical Science.

Study material Provided.

Course Duration

Minimum 2 years theory + 24 months in-service training.

Curriculum

First Year

Semester One

- Chemical Engineering N4
- Mathematics N4
- Engineering Science N4
- Chemical Plant Operations N4

First Year

Semester Two

- Chemical Engineering N4/N5
- Chemistry N4
- Power Machines N5
- Chemical Plant Operations N5

Second Year

Semester One

- Chemical Engineering N5/N6
- Mathematics N5
- Chemistry N5
- Power Machines N6

Second Year

Semester Two

- Chemical Engineering N6
- Mathematics N6
- Chemical Plant Operations N6
- Chemical Technology N6

Career Opportunities

- Chemical Engineer
- Bio Technology
- Laboratory Technician Environmental Officer
- Process Controller/Technician

Course offerings are subject to the Department of Higher Education and training's Examination timetable for the current year.

Leave your details

Leave your details and we will contact you:

Fields marked with a * are required.

National N Diploma in Civil Engineering

This course covers N4 - N6 level Civil Engineering. The qualification earned is a National N Diploma in Civil Engineering that is nationally recognised by industry and Universities.

Admission Requirements

N3 or a Senior Certificate or NSC with a minimum pass of 40% in Mathematics.

Study material Provided.

Course Duration

Minimum 2 years theory + 24 months in-service training.

Curriculum

First Year

Semester One

- Civil Engineering N4
- Mathematics N4
- Engineering Science N4
- Building And Structural Surveying N4

First Year

Semester Two

- Civil Engineering N4/N5
- Quantity Surveying N4
- Building And Structural Construction N4
- Building And Structural Surveying N5

Second Year

Semester One

- Civil Engineering N5
- Mathematics N5
- Quantity Surveying N5
- Building And Structural Construction N5

Second Year

Semester Two

- Civil Engineering N6
- Mathematics N6
- Building And Structural Construction N6
- Building And Structural Surveying N6

Career Opportunities

- Civil Engineering
- Project Manager
- Environmental Engineering
- Waste Water Management

Course offerings are subject to the Department of Higher Education and training's Examination timetable for the current year.

National N Diploma in Electrical Engineering

This course covers N4 - N6 level Electrical Engineering. The qualification earned is a National N Diploma in Electrical Engineering that is nationally recognised by industry and Universities.

Admission Requirements

N3 or a Senior Certificate or NSC with a minimum pass of 40% in Mathematics

Study material Provided.

Course Duration

Minimum 2 years theory + 24 months in-service training.

Curriculum

First Year

Semester One

- Electrotechnics N4
- Mathematics N4
- Engineering Science N4
- Electrotechnics N4

First Year

Semester Two

- Electrotechnics N4/N5
- Industrial Electronics N4
- Engineering Physics N5
- Electrotechnics N5

Second Year

Semester One

- Electro -Technics N5/N6
- Mathematics N5
- Industrial Electronics N5
- Engineering Physics N6

Second Year

Semester Two

- Electrotechnics N 6
- Mathematics N6
- Electrotechnics N6
- Industrial Electronics N6

Career Opportunities

- Electrical Engineer
- Project Manager
- Instrument Technician
- Electrician
- Appliance Manufacturer
- Installer

Course offerings are subject to the Department of Higher Education and training's Examination timetable for the current year.

National N Diploma in Mechanical Engineering

This course covers N4 - N6 level Mechanical Engineering. The qualification earned is a National Certificate N4 in Mechanical Engineering that is nationally recognised by industry and Universities.

Admission Requirements

N3 or a Senior Certificate or NSC with a minimum pass of 40% in Mathematics

Study material Provided.

Course Duration

Minimum 2 years theory + 24 months in-service training.

Curriculum

First Year

Semester One

- Mechanical Engineering N4
- Mathematics N4
- Engineering Science N4
- Mechanotechnics N4

Second Year

Semester One

- Mechanical Engineering N5/N6
- Mathematics N5
- Mechanotechnics N5

- Power Machines N6

First Year

Semester Two

- Mechanical Engineering N4/N5
- Mechanical Draughting N4
- Power Machines N5
- Strength Of Materials And Structures N5

Second Year

Semester Two

- Mechanical Engineering N6
- Mathematics N6
- Mechanotechnics N6
- Strength Of Materials & Structures N6

Career Opportunities

- Draughtsman
- Fabricator
- Mechanical Engineer
- Process Controller

Course offerings are subject to the Department of Higher Education and training's Examination timetable for the current year.

National N Diploma in Educare

This course covers N4 - N6 level Educare. The qualification earned is a National N Diploma in Educare that is nationally recognised by industry and Universities.

Admission Requirements

Senior Certificate or National Senior Certificate or relevant Nated Qualification.

Study material Provided.

Course Duration

Minimum 2 years theory +18 months in-service training.

18 months in-service training within the Educare field.

Curriculum

First Year

Semester One

- Educare N4
- Education N4
- Day Care Personnel Development N4
- Child Health N4

First Year

Semester Two

- Educare N4/N5
- Educare Didactics: Theory And Practical N4
- Entrepreneurship & Business Management N4
- Day Care Communication N5

Second Year

Semester One

- Educare N5/N6
- Educational Psychology N5
- Educare Didactics: Theory and Practical N5
- Day Care Communication N6

Second Year

Semester Two

- Educare N6
- Educational Psychology N6
- Educare Didactics: Theory And Practical N6
- Day Care Management N6

Career Opportunities

- Day Care Manager
- Entrepreneur
- Au Pair
- Teaching: Nursery And Preschool

Course offerings are subject to the Department of Higher Education and training's Examination timetable for the current year.

National N Diploma in Human Resource Management

This course covers N4 - N6 level Human Resource Management. The qualification earned is a National N Diploma in Human Resource Management that is nationally recognised by industry and Universities.

Admission Requirements

Senior Certificate or National Senior Certificate or relevant Nated Qualification.

Study material Provided.

Course Duration

Minimum 2 years theory +18 months in-service training.

18 months in-service training within the human resource field.

Curriculum

First Year

Semester One

- Human Resource Management N4
- Entrepreneurship and Business Management
- Management Communication N4
- Personnel Management N4

First Year

Semester Two

- Human Resource Management N4/N5
- Intro to Computer Practice N4
- Personnel Management N5
- Labour Relations N5

Second Year

Semester One

- Human Resource Management N5/N6
- Entrepreneurship and Business Management N5
- Personal Training N5
- Labour Relations N6

Second Year

Semester Two

- Human Resource Management N6
- Personnel Management N6
- Personal Training N6
- Entrepreneurship and Business Management N6

Career Opportunities

- Human Resources
- Recruitment Agent
- Personnel Agent
- Labour Relations

Course offerings are subject to the Department of Higher Education and training's Examination timetable for the current year.