

- CIVIL ENGINEERING & BUILDING CONSTRUCTION
- ELECTRICAL INFRASTRUCTURE CONSTRUCTION
- ENGINEERING & RELATED DESIGN

COASTAL
KZN
COLLEGE

Your Pioneering Centre of Excellence



NATIONAL CERTIFICATE VOCATIONAL (NCV)

What is a National Certificate Vocational (NCV) ?

Public FET Colleges now offer a new, exciting, modern and relevant range of vocational programmes known as the National Certificate Vocational. These vocational programmes are high skills, high quality and high knowledge programmes introduced at FET Colleges nationally in 2007 and are intended to directly respond to the priority skills demands of the modern economy. From January 2007, the National Certificate (Vocational) replaced the NATED courses (N1 – N3) at public FET Colleges.

The National Certificate (Vocational) is currently offered at levels 2, 3 and 4 of the National Qualifications Framework (NQF). The National Certificate Vocational is designed to provide both the theory and practice. The practical component of study may be offered in a real workplace environment or in a simulated workplace environment. It provides students with an opportunity to experience work situations during the period of study. The qualification also provides an opportunity to enter higher education studies subject to appropriate subject combinations.

What is the entry requirement?

- Grade 11 or equivalent
- Grade 9 & 10 will be considered only on exceptional cases

The minimum entry requirement is Grade 9. However, the NCV programmes are very challenging and are ideally suited to students with a higher existing qualification.

What is the duration of this Qualification?

The National Certificate Vocational qualification is a full year programme at each of the NQF levels of study. Ideally students should complete all three levels and thereby complete the full level 4 qualification.

Which subjects make up a National Certificate?

In order to obtain a National Certificate (Vocational), a student is required to take a total of 7 subjects, which are:

- 3 Fundamental subjects and
- 4 Vocational subjects,

CIVIL ENGINEERING & BUILDING CONSTRUCTION



Subjects: 7 Subjects per level

Compulsory / Fundamental Subjects: Level 2, 3 and 4

- Communication (Language)
- Mathematics
- Life Orientation

Vocational Subjects: Level 2 and 3

- Drawings, Setting out, Quantities and Costing
- Construction Plant & Equipment
- Construction Materials
- Construction Carpentry & Roof Work (Optional)
- Construction Masonry & Tiling (Optional)
- Construction Plumbing (Optional)

Vocational Subjects: Level 4

- Drawings, Setting out, Quantities and Costing
- Construction Supervision
- Construction Materials
- Civil and Construction Technology

Duration

1 Year full time study for each level

Vocational activities you will have access to:

- Participate in the operation and maintenance of construction equipment and machinery
- Participate in the construction of roads, bridges, dams, railways, houses, etc
- Take part in the designing and construction of tunnels, roads, factories, reservoirs, etc
- Participate in the erection of reinforced concrete, structural steel, timber and masonry structures

Campuses

Swinton and Umlazi-V

ELECTRICAL INFRASTRUCTURE CONSTRUCTION



Subjects: 7 Subjects per level

Compulsory / Fundamental Subjects: Level 2, 3 and 4

- Communication (Language)
- Mathematics
- Life Orientation

Vocational Subjects: Level 2

- Electrical Principles and Practice
- Electronic Control and Digital Electronics
- Workshop Practice
- Electrical Systems and Construction

Vocational Subjects: Level 3 and 4

- Electrical Principles and Practice
- Electronic Control and Digital Electronics
- Electrical Workmanship
- Electrical Systems and Construction

Duration

1 Year full time study for each level

Vocational activities you will have access to:

- Work at a power station
- Work as an electrician at an energy producing company or power plant
- Work as an electrical technician at a telecommunications company
- Work at a recording studio as an electrical engineer
- Work at a theatre as a technician

Campuses

As-Salaam, Durban, Swinton and Umlazi-V

ENGINEERING & RELATED DESIGN



Subjects: 7 Subjects per level

Compulsory / Fundamental Subjects: Level 2, 3 and 4

- Communication (Language)
- Mathematics
- Life Orientation

Vocational Subjects: Level 2

- Engineering Fundamentals
- Engineering Systems
- Engineering Technology
- Automotive Repairs and Maintenance (Optional)
- Fitting & Turning (Optional)
- Engineering Fabrication (Optional)

Vocational Subjects: Level 3

- Engineering Practice and Maintenance
- Materials Technology
- Engineering Graphics & Design (CAD)
- Automotive Repairs and Maintenance (Optional)
- Fitting & Turning (Optional)
- Engineering Fabrication (Optional)

Vocational Subjects: Level 4

- Engineering Processes
- Professional Engineering Practice
- Applied Engineering Technology
- Automotive Repairs and Maintenance (Optional)
- Fitting & Turning (Optional)
- Engineering Fabrication (Optional)

CONTINUED



Duration

1 Year full time study for each level

Vocational activities you will have access to:

- Participate in the designing and constructing of buildings
- Take part in the manufacturing of tools, machines and engines
- Participate in the planning and building of roads, bridges, canals and dams
- Take part in the operation and maintenance of machines
- Plan and design mines and mining facilities
- Participate in the design of shaft and ventilation systems

Campuses

As-Salaam (Automotive only), Durban, Swinton and Umlazi-V

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