



NATIONAL CERTIFICATE

Engineering & Related Design

The National Certificate (Engineering & Related Design) is a new qualification at each of Levels 2, 3 and 4 of the NQF. This qualification is designed to provide both theoretical and practical training. The practical component may be offered in a real workplace environment or a simulated one.

Minimum Requirements:

- A year end school report for Grade 9 or higher: or
- An NQF Level 1 Qualification; or
- An approved bridging programme designed for the specific purpose to access NQF Level 2; or
- A Recognition of Prior Learning (RPL) assessment to meet the basic requirements for access to NQF Level 2.

Duration:

One full year programme at each of the NQF levels of study. A student is issued with a certificate on the successful completion of each level of study.

Vocational activities:

The holder of an National Certificate in Engineering & Related Design would be able to:

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



The National Certificate (Engineering & Related Design) provides an opportunity, with further study, to access careers in the following fields:

- Manufacturing and Industrial Engineering;
- Metallurgical and Materials Engineering;
- Mining Engineering;
- Geological Engineering;
- Aerospace Engineering;
- Tool Making;
- Fitting and Machining.

SUBJECTS

Fundamental Subjects:

There are three fundamental subjects which form the basis of each of the NCV qualifications. These are:

- Language - which must be the language of teaching and learning;
- Mathematics or Mathematical Literacy; and
- Life Orientation.

Vocational Subjects:

In addition to the three fundamental subjects students are required to complete four vocational subjects:

- Engineering Fundamentals;
- Engineering Technology;
- Fitting and Machining;
- Pre-operational Analysis of Engineering Technology.

Umfolozi College Campuses offering NCV Engineering & Related Design from 2007:

Esikhawini Campus
Tel: 035 796 5568/76
Fax: 035 796 5530

Mandeni Campus
Tel: 032 456 3626
Fax: 032 456 5777

Richtek Campus
Tel: 035 902 9500
Fax: 035 789 7011

Sundumbili Campus
Tel: 032 454 1407
Fax: 032 454 1602



Umfolozi College
FOR FURTHER EDUCATION AND TRAINING