



FACULTY OF CIVIL ENGINEERING AND BUILDING CONSTRUCTION

NATIONAL TECHNICAL CERTIFICATE

Construction Engineering Studies N1-N3 PLUMBING

ENTRY REQUIREMENTS

Grade 11 with pass of 40% in Mathematics or Grade 10 with pass of 50% in Mathematics

DURATION

1 Year

WHAT IS THIS PROGRAMME ABOUT?

It is a theory based programme intended for learners who want to follow a career in the building industry.

WHAT SUBJECTS WILL I BE TAKING?

> Mathematics

> Building Science

> Building Drawing

> Building and Civil Technology N3

> Plumbing Trade Theory N1-N2

> Bricklaying and Plastering N1-N2

WHAT DO THESE SUBJECTS ENTAIL?

MATHEMATICS

Mathematics is an essential component for any student who wants to enter the construction industry as well as a foundation for further studies into the engineering field.

BUILDING SCIENCE

Relating to calculations involved in the design and construction of building structures as well as identification and selection of suitable building materials.

BUILDING DRAWING

Building Drawing covers the graphical representation of civil structures – from foundation to roof-coverings. The subject concentrates on various views, not only plan views e.g. Orthographic, oblique and isometric.

BUILDING AND CIVIL TECHNOLOGY

This subject will give the student the necessary building knowledge to enter into the building industry.

PLUMBING TRADE THEORY

Introduction to basic concepts related to domestic hot and cold reticulation as well as above and below ground drainage systems. This subject will equip the learner with the necessary foundation into the construction industry.

BRICKLAYING AND PLASTERING

Relates to students that are interested in the construction industry, specifically the built environment. They will be equipped with the basics related to the various masonry skills applied in construction.