

BUILDING & CIVIL ENGINEERING

NATIONAL CERTIFICATE (VOCATIONAL) CIVIL ENGINEERING AND BUILDING CONSTRUCTION LEVEL 2 - 4

Programme structure:

Level 2 - 4 Fundamentals (compulsory)

- Languages
- Life Orientation
- Mathematics

Level 2 Vocational subjects

- Construction Planning
- Plant and Equipment
- Materials
- Carpentry & Roof Work OR Masonry OR Roads OR Plumbing

Level 3 Vocational subjects

- Drawings, Setting out, Quantities & Costings
- Construction Plant & Equipment
- Construction Materials
- Construction Carpentry & Roof Work OR Construction Masonry & Tiling OR Roads OR Construction Plumbing

Level 4 Vocational subjects

- Drawings, Setting out, Quantities & Costings
- Construction Supervision
- Construction Materials
- Civil & Construction Technology

Admission requirements:

- Level 2: Grade 9
- Level 3: Level 2 qualification
- Level 4: Level 3 qualification

Duration:

3 years full-time (1 year per level)

Career options:

- Architectural technology
- Drainage inspection
- Industrial designing
- Quantity surveying
- Town regional planning
- Sanitation engineering
- Civil construction engineering
- Building construction

Location:

Thornton Campus

Corner Cedar and Poplar Road, Thornton
Tel: 021 531 9124

BUILDING & CIVIL ENGINEERING

BUILDING & CIVIL ENGINEERING FOUNDATIONAL COURSE

Programme structure:

- Fundamental Mathematics
- Fundamental Science
- Fundamental Drawing
- Fundamental Technology

Admission requirements:

- Grade 12 or equivalent qualification

Duration:

11 weeks

BUILDING & CIVIL ENGINEERING COURSES: N4 - N6 CERTIFICATE

Programme structure:

- Mathematics N4
- Engineering Science N4
- Building Administration N4, N5, N6
- Quantity Surveying N4, N5, N6
- Building & Structural Construction N4, N5, N6
- Building & Structural Surveying N4, N5, N6

Admission requirements:

- N4: N3 Certificate or equivalent qualification
- N5: N4 Certificate or equivalent qualification
- N6: N5 Certificate or equivalent qualification

Duration

11 weeks full-time

NOTE: Programmes are also offered through Distance Learning.

For Distance Learning, please contact the Pinelands Campus at 021 531 2105.

PRACTICAL PROGRAMMES

- Plumbing

Duration:

2 trimesters (6 months) - register per trimester

NATIONAL N-DIPLOMA (BUILDING & CIVIL ENGINEERING)

Admission requirements:

- 12 prescribed subjects
- 2 years in-service training

Location:

Thornton Campus

Corner Cedar and Poplar Road, Thornton

Tel: 021 531 9124

BUILDING & CIVIL ENGINEERING

NATIONAL CERTIFICATE IN MULTI-DISCIPLINARY DRAWING OFFICE PRACTICE (N4 & N5)

Programme structure:

Trimester 1: Drawing Office Orientation

- Mechanical Orientation
- Engineering Drawing Orientation
- Building Technology Orientation
- Introduction to Auto CAD
- International Computer Drivers License (ICDL) (4 modules)

Trimester 2: Drawing Office N4

- General Draughting N4
- Mechanical Draughting N4
- Pictorial Draughting N4
- Mechanical Orientation N4
- Auto CAD Advanced (3D)

Trimester 3: Drawing Office N5

- Building Draughting N5
- Structural Steel Detailing N5
- Electrical Draughting N5
- Technical Illustration N5
- Caddie N5

Admission requirements:

- N3 or Grade 12

Duration:

1 year, intake in January only

NOTE: Programmes are offered full-time only

Career options:

- Draughtsperson for local governments, municipalities, Eskom, private enterprises, or self-employment.

AUTO CAD PART-TIME

Admission requirements:

- 16 years and older

Location:

Thornton Campus

Corner Cedar and Poplar Road, Thornton

Tel: 021 531 9124