

Bachelor of Engineering Technology in Civil Engineering (BEng Tech Civil)

Location: Steve Biko Campus (S6 Level 3) (Durban)

Description of the Programme

The purpose of the Bachelor of Engineering Technology in Civil Engineering (BEng Tech Civil) is for students to acquire knowledge, understanding, abilities and skills of civil engineering. This combined with a period of post qualification mentored work experience will enable them to become competent practicing civil engineering technologists, able to apply engineering judgement and work independently and responsibly. It also provides students with the preparation required for careers in civil engineering, the ability to make a contribution to the economy and national development, and the educational base required for registration with ECSA as a Professional Engineering Technologist, as well as entry to NQF level 8 programmes, eg. Honours.

The duration of this programme is 3 years full time study. The programme will prepare students for further post graduate studies and research.

Career opportunities

Most Civil Engineering Technologists are employed in Civil engineering planning, designing, consulting or construction.

Entry Requirements

School leaving applicants who wish to enrol for the programme must apply through the CAO system by no later than 30 September of the previous year. The number of students enrolled in the programme is determined by the University and departmental growth policies and a ranking system is used to determine the number of candidates as required.

Compulsory Subjects	NSC Rating	SC		NCV Level 4
		HG	SC	
English (home) OR English (1st additional)	4	E	C	60%
Mathematics	4	E	C	70%
Physical Science	4	E	C	70%
Life Orientation				60%
				+ 2 vocational subjects

The subject NSC Mathematical Literacy will not be accepted as a substitute for the subject NSC Mathematics.

The exit certificate of the candidate must qualify the candidate for degree study at an institution of higher learning.

Applicants with a NSC will be ranked according to the sum of their scores for Mathematics and Physical Science, subject to a minimum combined score of 120%.

Prospective applicants may also present an NQF level 6 Diploma in Engineering for entry into the degree programme. A possibility of transfer of credits for cognitive previous studies would be considered dependent on the discipline and nature of the Diploma being presented.

NOTE: G7 (3) ADMISSION REQUIREMENTS BASED UPON WORK EXPERIENCE, AGE AND MATURITY

For admission to entry level DEGREE studies:

A person may, subject to such requirements as the Senate may determine, be admitted if such a person is in possession of a National Senior Certificate, Senior Certificate or an equivalent certificate, but lacks the minimum requirements for admission to the degree provided that:

- The person shall have reached the age of 23 in the first year of registration and shall have at least:
 - three years' appropriate work experience; and/or
 - capacity for the proposed instructional programme, which shall be assessed by a Senate-approved admission assessment comprising of a DUT Standardised Assessment Test for Access and Placement (SATAP), Academic Literacies (AL) & English for Academic Purposes (EAP) (2,5 hours) and/or an appropriate subject or programme specific written assessment designed and marked by the relevant Department; and the person has obtained
- A conditional certificate of exemption from the Matriculation Board (when in possession of the Senior Certificate (SC)); OR has met
- The requirements for Senate discretionary admission (when in possession of the NSC or equivalent), where Senate is satisfied the applicant has shown sufficient academic ability to ensure success, and that the person's standard of communication skills, and/or work experience are such that the person, in the opinion of the Senate, should be able to complete the proposed instructional programme successfully.
- The person's application for admission in terms of with work experience, age and maturity is approved prior to registration.

This Department only considers first and second choice CAO applicants.

NB: For semester programmes there would be a single registration for semester 1 and semester 2 at the beginning of each academic year.

First year Curriculum

Semester One

Cornerstone 101	(CSTN101)
Civil Mechanics 1A	(CVMC101)
Drawings 1A	(DRNS101)
Engineering Maths 1A	(EMTA101)
Engineering Physics 1A	(EPHA101)
Law for Life	(LWLF101)

Semester Two

Civil Engineering Methods 1B	(CVMT101)
Engineering Maths 1B	(EMTB101)
Engineering Physics 1B	(EPHB101)
Surveying for Civil Engineering 1B	(SRCV101)
Structural Mechanics 1B	(STMC101)
Technical Literacy	(TCLT101)

Second Year Curriculum

Semester One

Civil Engineering Material 2A	(CMTL201)
Engineering Maths 2A	(EMTA201)
Engineering Management 2A	(ENMG201)
Structural Mechanics 2A	(STMC201)
Transport Technology 2A	(TRTA201)
Water Hydraulics 2A	(WHYD201)

Semester Two

Engineering Maths 2B	(EMTB201)
Geotechnical Engineering 2B	(GEOT201)
Structural Design Theory Intro 2B	(SDTI201)
Structural Analysis 2B	(STAN201)
Transport Technology 2B	(TRTB201)
Water Hydrology 2B	(WHDL201)

Third Year Curriculum

Semester One

CAD Civil Engineering Drawings 3A	(CCED301)
Civil Engineering Documentation 3A	(CEDC301)
Construction Management 3A	(CNMN301)
Reinforced Concrete Design 3A	(RFCD301)
Transport Technology 3A	(TRTA301)
Water Reticulation Design 3A	(WRTD301)

Semester Two

Design Project	(DSNP301)
Project Management	(PMAN301)
Structural Steel Design 3B	(STSD301)
Transport Technology 3B	(TRTB301)
Water Treatment Technology 3B	(WTRM301)

Closing date for applications: 30 September 2019

CAO Codes: DU-D-BNC

For further information

Department of Civil Engineering and Geomatics

Durban University of Technology

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Durban

4000

Telephone: 031 373 2224

Application forms

Contact the Central Applications Office (CAO)

Address letters to:

Central Applications office

Private Bag X06

Dalbridge 4014

Telephone: 031 268 4444

Fax: 031 268 4422

Apply online: <http://www.cao.a.za>



CAREER INFORMATION

BACHELOR OF ENGINEERING TECHNOLOGY IN

**CIVIL
ENGINEERING**

1 JANUARY – 31 DECEMBER 2020

**FACULTY OF
ENGINEERING
& THE BUILT
ENVIRONMENT**

**DEPARTMENT OF
CIVIL
ENGINEERING
& GEOMATICS**

2020

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