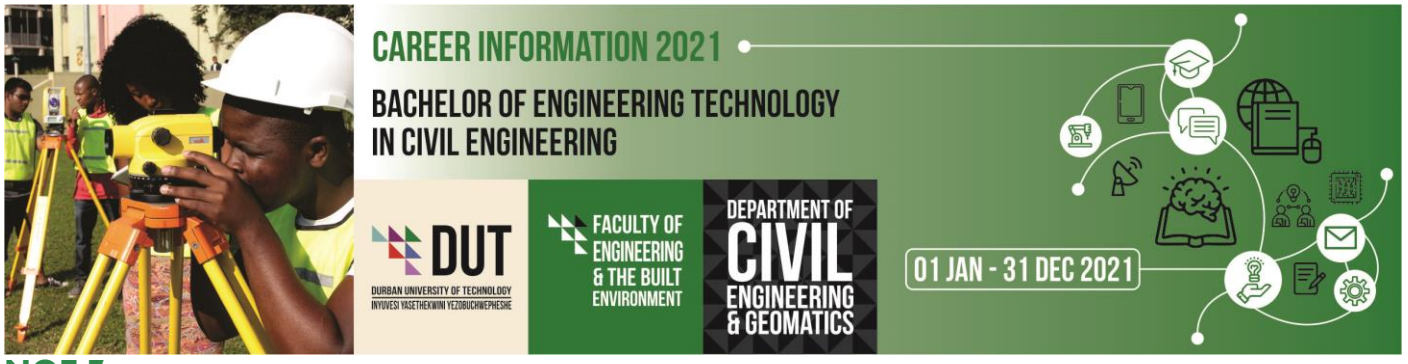

NQF 7
SAQA ID: 98956

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.

Entry Requirements BET (Civil Engineering)

NATIONAL SENIOR CERTIFICATE (NSC) (01 January 2009)		**SENIOR CERTIFICATE (SC) (PRE 2009)**			**NATIONAL CERTIFICATE (VOCATIONAL) (NCV)**	
NSC DEGREE ENTRY		**SENIOR CERTIFICATE (SC)**			**NATIONAL CERTIFICATE VOCATIONAL (NCV) – LEVEL 4**	
Compulsory Subjects	**NSC Rating Code**	**Compulsory Subjects**	**HG**	**SG**	**Compulsory Subjects**	**Mark**
English	4	English	E	C	English	60%
					Life Orientation	60%
Mathematics	4	Mathematics	E	C	Mathematics	70%
Physical Science	4	Physical Science	E	C	Physical Science	70%
					In addition, two other additional vocational subjects at a minimum of 70%.	

NB:

1. NSC Mathematical Literacy will not be accepted as a substitute for the subject NSC Mathematics
2. The exit certificate of the candidate must qualify the candidate for degree study at an institution of higher learning.
3. 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%.
4. 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.
5. This Department only considers First – Second choice CAO applicants.

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:

(a) The person shall have reached the age of 23 in the first year of registration and shallhave 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 theperson has obtained
(b) A conditional certificate of exemption from the Matriculation Board (when in possession of the Senior Certificate (SC));
OR has met
(c) 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.
(d) The person's application for admission in terms of with work experience, age and maturity is approved prior to registration.

Applicants intending to gain admission through work experience, age and maturity must submit their applications at least four months before commencement of the academic year.

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

First Year Curriculum

Name of Module	Subject Code	HEQSF Level	SAQA Credits
Semester 1			
Cornerstone 101	CSTN101	5	12
Civil Mechanics 1A	CVMC101	5	8
Drawings 1A	DRNS101	5	12
Engineering Maths 1A	EMTA101	5	12
Engineering Physics 1A	EPHA101	5	12
Law for Life	LWLF101	5	8
Semester 2			
Civil Engineering Methods 1B	CVMT101	5	12
Engineering Maths 1B	EMTB10	5	12
Engineering Physics 1B	EPHB101	5	12
Surveying for Civil Engineering 1B	SRCV101	5	16
Structural Mechanics 1B	STMC101	5	12
Technical Literacy	TCLT101	5	8
TOTAL CREDITS SEMESTER 1&2			**136**

Second Year Curriculum

Semester 3			
Civil Engineering Material 2A	CMTL201	6	12
Engineering Maths 2A	EMTA201	6	12
Engineering Management 2A	ENMG201	6	8
Structural Mechanics 2A	STMC201	6	12
Transport Technology 2A	TRTA201	6	12
Water Hydraulics 2A	WHYD201	6	12
Semester 4			
Engineering Maths 2B	EMTB201	6	12
Geotechnical Engineering 2B	GEOT201	6	12
Structural Design Theory Intro 2B	SDTI201	6	16
Structural Analysis 2B	STAN201	6	12
Transport Technology 2B	TRTB201	6	12
Water Hydrology 2B	WHDL201	6	12
TOTAL CREDITS SEMESTER 3&4			**144**

Second Year Curriculum

Semester 5			
CAD Civil Engineering Drawings 3A	CCED301	7	12
Civil Engineering Documentation 3A	CEDC301	7	12
Construction Management 3A	CNMN301	7	12
Reinforced Concrete Design 3A	RFCD301	7	12
Transport Technology 3A	TRTA301	7	12
Water Reticulation Design 3A	WRTD301	7	12
Semester 6			
Design Project	DSNP301	7	20
Project Management	PMAN301)	7	8
Structural Steel Design 3B	STSD301	7	12
Transport Technology 3B	TRTB301	7	12
Water Treatment Technology 3B	WTRM301	7	12
TOTAL CREDITS SEMESTER 5&6			**136**

NB: The course structure and requisite modules are subject to alteration.

Application

Applicants who wish to enrol for the programme must apply through the CAO system by no later than 30 November of the previous year.

Application Forms

Contact the **Central Applications Office** (CAO)

Address letters to:

Central Applications Office
Private Bag X06
Dalbridge,
4014
Tel: (031) 2684444
Fax: (031) 2684422
OR
Apply Online: http://www.cao.za

CAO Code: DU-D-BNC

Closing date for applications: 30 November 2020

For Further Information

Contact the Department of Civil Engineering and Geomatics
Steve Biko Campus (S8 Level 3)
Durban University of Technology
P O Box 1334
DURBAN, 4000
Tel: (031) 3732224
Email: pauline@dut.ac.za

This leaflet is for information purposes only and is not binding on the Durban University of Technology.