



## CAREER INFORMATION 2022

### BACHELOR OF ENGINEERING TECHNOLOGY IN CIVIL ENGINEERING



01 JAN - 31 DEC 2022



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

**NQF Level: 7**

**SAQA ID: 98956**

**Qualification Code: BNCVLI**

**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, e.g., 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.

### Explanation of Points scale: SENIOR CERTIFICATE(SC)

SYMBOL	HIGHER GRADE	STANDARD GRADE
A	8	6
B	7	5
C	6	4
D	5	3
E	4	2
F	3	1
A	8	6
B	7	5

### NATIONAL SENIOR CERTIFICATE(NSC)

%	LEVEL	POINTS
90-100	7	8
80-89%	7	7
70-79%	6	6
60-69%	5	5
50-59%	4	4
40-49%	3	3
30-39%	2	2
20-29%	1	1

## 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)			(NCV) LEVEL 4	
Compulsory Subjects	NSC Rating Code	Compulsory Subjects	HG	SG	Compulsory Subjects	Mark
English	4	English	E	C	English	60%
Mathematics	4	Mathematics	E	C	Mathematics	70%
Physical Science	4	Physical Science	E	C	Physical Science	70%
					Life Orientation	60%
					In addition, <b>TWO</b> other additional vocational subjects at a minimum of 70%.	
<b>NB:</b>						
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.						

**OR**

## 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 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
- (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.**

### Tuition Fees

To assist you with your planning, the **2021** fees have been indicated. An increase for next year to accommodate the inflation rate can be expected.

**Please Note:** DUT cannot be held liable for the fees in this brochure as the **2022** fees are not yet finalised

### First Year Curriculum

Name of Module	Subject Code	HEQSF Level	SAQA Credits	2021 Fees
<b>Semester One</b>				
Cornerstone 101	CSTN101	5	12	R3260.00
Civil Mechanics 1A	CVMC101	5	8	R3770.00
Drawings 1A	DRNS101	5	12	R5340.00
Engineering Mathematics 1A	EMTA101	5	12	R4020.00
Engineering Physics 1A	EPHA101	5	12	R4020.00
Law for Life	LWLF101	5	8	R2040.00
<b>TOTAL</b>				<b>R19050.00</b>
<b>Semester Two</b>				
Civil Engineering Methods 1B	CVMT101	5	12	4020.00
Engineering Mathematics 1B	EMTB10	5	12	4020.00

Engineering Physics IB	EPHB101	5	12	R4020.00
Surveying for Civil Engineering IB	SRCV101	5	16	R5900.00
Structural Mechanics IB	STMC101	5	12	R4020.00
Technical Literacy	TECL101	5	8	R3360.00
<b>TOTAL CREDITS SEMESTER 1&amp;2</b>			<b>136</b>	
<b>TOTAL</b>				<b>R25340.00</b>
<b>Second Year Curriculum</b>				
<b>Semester Three</b>				
Civil Engineering Material IIA	CMTL201	6	12	R4020.00
Engineering Mathematics IIA	EMTA201	6	12	R4020.00
Engineering Management IIA	ENMG201	6	8	R2770.00
Structural Mechanics IIA	STMC201	6	12	R4020.00
Transport Technology IIA	TRTA201	6	12	R4020.00
Water Hydraulics IIA	WHYD201	6	12	R4020.00
<b>TOTAL</b>				<b>R22870.00</b>
<b>Semester Four</b>				
Engineering Mathematics IIB	EMTB201	6	12	R4020.00
Geotechnical Engineering IIB	GEOT201	6	12	R3180.00
Structural Design Theory Intro IIB	SDTI201	6	16	R5490.00
Structural Analysis IIB	STAN201	6	12	R3180.00
Transport Technology IIB	TRTB201	6	12	R4020.00
Water Hydrology IIB	WHDL201	6	12	R4020.00
<b>TOTAL CREDITS SEMESTER 3&amp;4</b>			<b>144</b>	
<b>TOTAL</b>				<b>R24540.00</b>
<b>Second Year Curriculum</b>				
<b>Semester Five</b>				
CAD Civil Engineering Drawings IIIA	CCED301	7	12	R5280.00
Civil Engineering Documentation IIIA	CEDC301	7	12	R4020.00
Construction Management IIIA	CNMN301	7	12	R4020.00
Reinforced Concrete Design IIIA	RFC301	7	12	R4020.00
Transport Technology IIIA	TRTA301	7	12	R5490.00
Water Reticulation Design IIIA	WRTD301	7	12	R4020.00
<b>TOTAL</b>				
<b>Semester Six</b>				<b>R26850.00</b>
Design Project	DSNP301	7	20	R678000
Project Management	PMAN301)	7	8	R3180.00
Structural Steel Design IIIB	STSD301	7	12	R4020.00
Transport Technology IIIB	TRTB301	7	12	R4020.00
Water Treatment Technology IIIB	WTRM301	7	12	R4020.00
<b>TOTAL CREDITS SEMESTER 5&amp;6</b>			<b>136</b>	
<b>TOTAL</b>				<b>R22020.00</b>

**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 September 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 September 2021

### **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

### **Financial Aid**

For Financial Aid application for a DUT programme please apply online at [www.nsfas.org.za](http://www.nsfas.org.za) or call the NSFAS call centre on 0860 067 327.

For an explanation on how to fill out the application form, please go to [www.nsfas.org.za](http://www.nsfas.org.za) or contact the call centre on the number above.

**Please note** that completing a form does not guarantee Financial Aid. For further assistance, please consult the Department of Financial Aid and Scholarships on (031)373 2931/2557/2054.

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