

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

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 (Industrial 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, two others 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.

This department only considers **first** and **Second** choice CAO applicants.

Other:

Applicants, that qualify for degree study (Bachelor's Pass) at an institution of higher learning, but do not meet the departmental mathematics and/or physical science requirements, may present the following N4 subjects, for consideration for entry to the BET programme:

- Mathematics and Engineering Science, plus any two of the following:
- Mechanotechnics
- Engineering Drawing
- Electrotechnics

The above subjects must be passed with a minimum of 50% and all in the same sitting. Students will then be considered alongside the NSC students according to the sum of their marks for N4 Mathematics and Engineering Science, subject to a minimum combined score of 120.

OR

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

Admission Requirement 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 **2022** 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 **2023** fees are not yet final.

PLEASE NOTE: Subjects, Subject placement and Subject Codes may change arising from operational requirements. Kindly refer to the current departmental handbook for further information.

First Year Curriculum				
Name of Module	Subject Code	HEQSF Level	SAQA Credits	2022 Fees
Semester One				
Engineering Mathematics IA	EMTA101	5	12	R4210.00
Engineering Physics IA	EPHA101	5	12	R4210.00
Statistics I	STST101	6	12	R3670.00
Industrial Drawing and CAD	ICAD101	6	16	R5730.00
Cornerstone I01	CSTN101	5	12	R3410.00
Technical Literacy	TLTY101	6	8	R2900.00
TOTAL				R24130.00
Semester Two				
Engineering Mathematics IB	EMTB101	5	12	R4210.00
Engineering Physics IB	EPHB101	5	12	R4210.00
Financial Accounting for Engineers	FAEN101	6	8	R2900.00
Sociology of Work I	SCWK101	6	8	R2900.00
Computing and IT	CMIN101	6	8	R2900.00
Electrical Principles I	ELEP101	5	12	R4220.00
TOTAL CREDITS SEMESTER 1&2			132	
TOTAL				R21340.00
Second Year Curriculum				
Semester Three				
Engineering Mathematics IIA	EMTA201	6	12	R4210.00
Strengths of Materials I	STMT102	5	12	R2900.00
Mechanics of Machines I	MCHM102	6	12	R4220.00
Computer Programming and IT	CPRI101	6	8	R2900.00
Management Accounting for Engineers	MACE101	6	8	R2900.00
Industrial Design I	IDES101	5	16	R5730.00
TOTAL				R22860.00
Semester Four				
Engineering Mathematics IIB	EMTB201	6	12	R4210.00
Engineering Work Systems I	EWSY101	5	12	R4220.00
Production Engineering I	PENG101 I	5	12	R4220.00
Information System Design	ISYD101	7	16	R5730.00
Manufacturing Engineering I	MNFE101	7	8	R2900.00
Industrial Design II	IDES201	6	12	R4220.00
Principles of Management	PMGM102	6	8	R2900.00
TOTAL CREDITS SEMESTER 3&4			148	
TOTAL				R28400.00

Third Year Curriculum

Semester Five				
Facilities Planning	FCLP101	7	12	R4220.00
Engineering Work Systems II	EWSY201	6	12	R4220.00
Production Engineering II	PENG201	6	12	R4220.00
Operations Research	OPRS101	7	12	R4220.00
Project Management	PMANI02	6	8	R2990.00
Design Project Part I	DPJT111	7	12	R4220.00
TOTAL				R24000.00
Semester Six				
Engineering Work Systems III	EWSY301	7	16	R5730.00
Production Engineering III	PENG301	7	16	R5730.00
Simulation Modelling	SMMDI01	7	16	R5730.00
Quality Engineering	QLTE101	7	12	R4220.00
Design Project Part II	DPJT121	7	12	R4220.00
TOTAL CREDITS SEMESTER 5&6			148	
TOTAL				R25630.00

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-BIE

Closing date for applications: 30 September 2022

For Further Information:

Contact the Department of Department of Industrial Engineering
Steve Biko Campus (S4 Level 0)
Durban University of Technology
P O Box 1334
DURBAN, 4000
Tel: (031) 3732445

Email: industrialadmin@dut.ac.za

Financial Aid

For Financial Aid application for a DUT programme please apply online at 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 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