BACHELOR OF INFORMATION AND COMMUNICATIONS TECHNOLOGY (BICT)

DUT — DURBAN UNIVERSITY OF TECHNOLOGY — INYUVESI YASETHEKWINI YEZOBUCHWEPHESHE

FACULTY OF ACCOUNTING & INFORMATICS

DEPARTMENT OF INFORMATION TECHNOLOGY

01 JAN - 31 DEC 2024

Bachelor of Information and Communications Technology [BICT] (Degree)

NQF Level: 7

SAQA ID: 104534

Qualification Code: BINCT1

Location: Ritson Campus (Block B: 2nd Floor) (Durban)

Description of the Programme

The Bachelor of ICT degree was formulated to reflect the latest workplace- based needs of the ICT industry in ensuring that qualifying learners can access employment opportunities within the industry. It is grounded in a fundamental body of computing knowledge.

Purpose of qualification

The structure and content of the BICT degree enables learners to build a solid knowledge base in the core fields of ICT and its related subjects. This qualification is intended to enhance readiness for further study in a wide variety of specializations within the Honours and Masters levels. It produces ICT graduates who are confident and articulate team players, and are attuned to the needs, methods and attitudes of business and society.

Personal Attributes

An aptitude for puzzles, mathematics, logic and accuracy characterizes the successful student. If you possess most of these qualities, you should consider a career in ICT.

Career Opportunities

On completion of a qualification graduates will be able to apply for the following positions: Programmer, Junior Analyst, Programmer/Analyst, Junior Database Administrator, End User Support, Business Analyst, and many other related positions. The training offered prepares the student globally, since internationally acceptable software, textbooks, and training methods are used in all programmes.

Selection Procedure:

Meeting the minimum entry requirements does not automatically guarantee acceptance. It depends on the number of applicants and number of places allowed by DUT.

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

MINIMUM ADMISSION REQUIREMENTS

GENERAL ADMISSION REQUIREMENTS

A person will only be considered for registration for an instructional programme approved by the Institution's Senate if the person complies with:

(a) The minimum admission requirements stated in DUT general handbook (refer to DUT website for general handbook).

(b) Institutional faculty, departmental and/or instructional programme specific rules; and

MINIMUM ADMISSION REQUIREMENTS IN TERMS OF THE HIGHER EDUCATION QUALIFICATIONS SUB-FRAMEWORK (HEQSF)

G7 rule: For Bachelor's Degree:

"a National Senior Certificate (NSC) as certified by the Council for General and Further Education and Training (Umalusi), with a minimum achievement rating of 3 for English and a minimum achievement rating of 4 in four NSC 20-credit subjects chosen from the NSC designated subject list".

Entry Requirements: (Bachelor of ICT)

NATIONAL SENIOR CERTIFICATE (NSC) (01 January 2009)		SENIOR CERTIFICATE (SC) (PRE 2009)		NATIONAL CERTIFICATE VOCATIONAL (NCV)	
NSC DEGREE ENTRY		**SENIOR CERTIFICATE (SC) with Matric Exemption**		**(NCV) LEVEL 4**	
Compulsory Subjects	**NSC Rating Code**	**Compulsory Subjects**	**HG**	**Compulsory Subjects**	**Mark**
English	4	English	D	At least 60% in **THREE** fundamental subjects including English,	60%
Mathematics	4	Mathematics	D		
And at least **ONE** of the designated 20 credit subjects	4	And at least one of the designated 20 credit subjects	D	At least 70% in **FOUR** vocational subjects relevant to the field of Information Technology.	70%
In addition: **TWO** recognized NSC 20 credit subjects as per G7 stated above	4				
Selection Procedure: These requirements represent the minimum and students will be ranked according to a points system based on the rating code					

OR

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 ad-mitted 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.

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 inclusive of the date of scheduling writing a requisite eligibility assessment.

Tuition Fees

To assist you with your planning, the **2023** 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 **2024** fees are not yet final.

Bachelor of ICT Curriculum

First Year Curriculum				
Semester One	**Subject Code**	**HEQSF Level**	**SAQA Credits**	**2023 Fees**
Business Fundamentals I	BFND101	6	12	R2750.00
Introduction to Computing	INCP101	5	12	R4420.00
Software Development Fundamental	SWDF101	5	12	R4420.00
Interpersonal Communication & Self	ICMS101	5	8	R2070.00
Mathematics for Computing 1A	MCMA101	6	12	R3930.00
TOTAL				**R17590.00**
Semester Two				
Cornerstone 101	CSTN101	5	12	R3580.00
Business Fundamentals II	BFND201	6	12	R3490.00
Discrete Structures	DSTR101	6	16	R4420.00
Mathematics for Computing 1B	MCMB101	6	12	R3930.00
Systems Fundamentals	SYSF101	5	12	R3490.00
TOTAL				**R18910.00**
TOTAL CREDITS SEMESTER 1&2			**120**	

Second Year Curriculum				
Semester One				
Systems Analysis & Design II	SADS201	6	12	R4170.00
Law for Life	LWLF101	5	8	R2230.00
Organizational Behaviour II	OGBH201	5	12	R4170.00
Networks & Operating Systems II	NOPS201	6	16	R4170.00
Programming Languages II	PRLN201	6	12	R4170.00
TOTAL				**R18910.00**
Semester Two				
Algorithms & Data Structures II	ALDS201	6	12	R4170.00
Information Management II	INFM201	6	12	R4170.00
Information Assurance & Security II	INAS201	6	16	R4170.00
Entrepreneurship spirit	ENSP101	6	12	R3720.00
Computer Organization & Architecture 2	COAR201	6	16	R4170.00
Total				**R20400.00**
TOTAL CREDITS SEMESTER 1&2			**124**	

Third Year Curriculum				
Semester One				
Software Engineering III	SFEN301	7	16	R4420.00
Platform Based Development III	PBDV301	7	16	R4420.00
Integrative Programming & Technology III	IPRT301	7	16	R4420.00
Social & Professional Issues III	SPRI301	7	16	R4420.00
Project IIIA	PRJA301	7	8	R2910.00
Total				**R20590.00**
Semester Two				
Project IIIB	PRJB301	7	12	R2910.00
Industry Exposure	IEXP101	7	12	R4540.00
Project Management III	PJMN301	7	16	R2910.00
Strategy Acquisition & Management III	SAQM301	7	16	R4420.00
Business Intelligence III	BSIT301	7	16	R4420.00
Parallel & Distributed Computing III	PDCP301	7	16	
Machine Intelligent 3	MCHI301	7	16	R4420.00
Human Computer Interaction III	HCPI301	7	16	R4420.00
Graphics III	GRPH301	7	16	R4420.00
Web Systems & Technology III	WSYT301	7	16	
Total				**R32460.00**
TOTAL CREDITS SEMESTER 1&2			**128**	

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 (C.A.O)

Address Letters to:

Private Bag X06,
Dalbridge,
4014
Tel: 031 268 4444
Fax: 031 268 2244

OR

Apply online on http://www.cao.ac.za

CAO Codes: Bachelor of ICT degree   DU-D-BIT

Closing Date for Applications: 30 September 2023

For further information:

Contact the Department of Information Technology,

Block B, 2nd Floor,

Ritson Campus
Tel: 031 373 5596
Email: ITdept@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 leaflet is for information purposes only and is not binding on the Durban University of Technology.