

CAREER INFORMATION 2022

BACHELOR OF INFORMATION & COMMUNICATIONS TECHNOLOGY
 DIPLOMA IN ICT: APPLICATIONS DEVELOPMENT
 DIPLOMA IN ICT: APPLICATIONS DEVELOPMENT (4-YEAR)
 HIGHER CERTIFICATE IN INFORMATION TECHNOLOGY

DUT
 DURBAN UNIVERSITY OF TECHNOLOGY
 INVULESI YASETHEKWINI YEZOBUKHEPHESE

FACULTY OF ACCOUNTING & INFORMATICS

DEPARTMENT OF INFORMATION TECHNOLOGY

01 JAN - 31 DEC 2022

Department of Information Technology

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

The department of Information Technology, situated at the Ritson campus, offers the following Information and Communications Technology (ICT) under-graduate qualifications: -

- Bachelor of ICT degree
- Diploma in ICT in Applications Development
- Diploma in ICT in Applications Development (4-year)
- Higher Certificate in IT

The general information below pertains to all of the ICT programme offerings above.

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.

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

NQF Level: 7

SAQA ID: 104534

Qualification Code: BINCT I

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.

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: (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		
Physical Science OR	4	Physical Science OR	D		
Information Technology OR	4	Information Technology OR	D		
Engineering Design	4	Engineering Design	D	At least 70% in FOUR vocational subjects relevant to the field of Information Technology.	70%

Please Note: these entrance requirements are subject to change, please check CAO and DUT website regularly.

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 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.

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 **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 final.

Bachelor of ICT Curriculum

First Year Curriculum				
Semester One	Subject Code	HEQSF Level	SAQA Credits	2021 Fees
Business Fundamentals I	BFND101	6	12	R2510.00
Introduction to Computing	INCP101	5	12	R4030.00
Software Development Fundamental	SWDF101	5	12	R4030.00
Interpersonal Communication & Self	ICMS101	5	8	R1890.00
Mathematics for Computing IA	MCMA101	6	12	R3590.00
TOTAL				R16050.00
Semester Two				
Cornerstone 101	CSTN101	5	12	R3260.00
Business Fundamentals II	BFND201	6	12	R3190.00
Discrete Structures	DSTR101	6	16	R4030.00
Mathematics for Computing IB	MCMB101	6	12	R3590.00
Systems Fundamentals	SYSF101	5	12	R3180.00
TOTAL				R17250.00
TOTAL CREDITS SEMESTER 1&2			120	
Second Year Curriculum				
Semester One				
Systems Analysis & Design II	SADS201	6	12	R3810.00
Law for Life	LWLF101	5	8	R2040.00
Organizational Behaviour II	OGBH201	5	12	R3810.00
Networks & Operating Systems II	NOPS201	6	16	R3810.00
Programming Languages II	PRLN201	6	12	R3810.00
TOTAL				R17280.00
Semester Two				
Algorithms & Data Structures II	ALDS201	6	12	R3810.00
Information Management II	INFM201	6	12	R3810.00
Information Assurance & Security II	INAS201	6	16	R3810.00
Entrepreneurship spirit	ENSP101	6	12	R3390.00
Computer Organization & Architecture 2	COAR201	6	16	R3810.00
Total				R18630.00
TOTAL CREDITS SEMESTER 1&2			124	
Third Year Curriculum				
Semester One				
Software Engineering III	SFEN301	7	16	R4030.00
Platform Based Development III	PBDV301	7	16	R4030.00
Integrative Programming & Technology III	IPRT301	7	16	R4030.00
Social & Professional Issues III	SPRI301	7	16	R4030.00
Project IIIA	PRJA301	7	8	R2650.00
Total				R18770.00
Semester Two				
Project IIIB	PRJB301	7	12	R0 000
Industry Exposure	IEXPI01	7	12	R4 140
Select any TWO Modules (Electives) from the List Below:				
Project Management III	PJMN301	7	16	R2650.00
Strategy Acquisition & Management III	SAQM301	7	16	R4030.00
Business Intelligence III	BSIT301	7	16	R4030.00
Parallel & Distributed Computing III	PDCP301	7	16	R4030.00
Machine Intelligent 3	MCHI301	7	16	R4030.00
Human Computer Interaction III	HCPI301	7	16	R4030.00
Graphics III	GRPH301	7	16	R4030.00
Web Systems & Technology III	WSYT301	7	16	R4030.00
Total				R8170.00
TOTAL CREDITS SEMESTER 1&2			128	

Diplomas in Information & Communications Technology

Specialising in Applications Development: 3 Years / 4 Years

A career in ICT is a career path of endless opportunities and diversity. The Diploma in ICT offers the opportunity to work in any industry, anywhere in the world. Careers in the ICT Industry range from highly technical positions such as Software or Web Developers or Systems Analysis.

Students wishing to pursue this career path must have the character and perseverance to work in dynamic environments. A basic skill that tends to categorize an ICT specialist is the ability to think and express oneself logically; therefore, students possessing these skills would be ideal candidates for this programme.

Diploma in ICT in Applications Development

NQF Level: 6

SAQA ID: 94697

Qualification Code: DIIADI

Entry Requirements: (Diploma in ICT in Applications Development)

NATIONAL SENIOR CERTIFICATE (NSC) (01 January 2009) NSC DIPLOMA ENTRY		SENIOR CERTIFICATE (SC) (PRE 2009) SENIOR CERTIFICATE (SC)			NATIONAL CERTIFICATE VOCATIONAL (NCV) (NCV) LEVEL 4	
Compulsory Subjects	NSC Rating Code	Compulsory Subjects	HG	SG	Compulsory Subjects	Mark
English	3	English	E	C	At least 50% in THREE fundamental subjects including English,	50%
English (1st additional)	4					
Mathematics OR	3	Mathematics	E	C		
Mathematics Literacy	6					
And TWO 20 credit subjects (not more than ONE language)	3				At least 60% in THREE compulsory vocational subjects	60%

Selection Procedure: These requirements represent the minimum and students will be ranked according to a points system based on the rating code

Entry Requirements for the Diploma in ICT in Applications Development (4-year Foundation programme)

NATIONAL SENIOR CERTIFICATE (NSC) (01 January 2009) NSC DIPLOMA ENTRY		SENIOR CERTIFICATE (SC) (PRE 2009) SENIOR CERTIFICATE (SC)			NATIONAL CERTIFICATE VOCATIONAL (NCV) (NCV) LEVEL 4	
Compulsory Subjects	NSC Rating Code	Compulsory Subjects	HG	SG	Compulsory Subjects	Mark
English	3	English	E	D	At least 50% in three fundamental subjects including English	50%
Mathematics OR	3	Mathematics	E	D		
Mathematics Literacy	5				At least 60% in THREE compulsory vocational subjects	60%
And TWO 20 credit subjects (not more than ONE language)	3					

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 DIPLOMA and certificate studies:

A person may, subject to such requirements as the Senate may determine, be admitted to the Institution even if such a person is not in possession of a National Senior Certificate, Senior Certificate or an equivalent certificate, 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 at the discretion of the respective Head of Department 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) and/or an appropriate subject or programme specific written assessment designed and marked by the relevant Department; and
- ❖ The relevant Faculty Board shall be satisfied that the person's standard of communication skills, ability to study successfully and/or work experience are such that the person, in the opinion of the relevant Faculty Board, should be able to complete the proposed instructional programme successfully. If required, the communication skills and study skills should be tested; and
- ❖ The person's application for admission in terms of 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 **2021** fees have been indicated. An increase for next year to accommodate the inflation rate can be expected.

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Diploma in ICT in Applications Development Curriculum (Mainstream)

First Year Curriculum				
Semester One	Subject Code	HEQSF Level	SAQA Credits	2021 Fees
Cornerstone 101	CSTN101	5	12	R3260.00
ICT Literacy and Skills	ICTL101	5	8	R2040.00
Business Fundamentals I	BFND101	5	12	R2510.00
Applications Development IA	APDA101	5	12	R5090.00
Fundamentals of Computer Security	FCSC101	5	8	R2170.00
Information Systems I	INSS101	5	8	R2440.00
TOTAL				R17510.00
Semester Two				
Me, My world, My Universe	MWMU101	5	8	R2040.00
Operating Systems	OSYS101	5	12	R3190.00
Applications Development Project I	APDP101	5	12	R3390.00
Applications Development IB	APDB101	5	12	R4950.00
Communications Networks I	CNTW101	5	16	R4140.00
TOTAL				R17710.00
TOTAL CREDITS SEMESTER 1&2			120	
Second Year Curriculum				
Semester One				
Business Fundamentals II	BFND201	6	12	R3190.00
Mobile Computing IIA	MCPA201	6	8	R2440.00
Information Systems IIA	ISYA201	6	8	R2440.00
Applications Development IIA	APDA201	6	12	R3730.00
Information Management IIA	INMA201	6	8	R2440.00
IT Project Management	ITPM101	6	12	R3390.00
TOTAL				R17630.00
Semester Two				
Community Engagement Project	CMEP101	6	8	R2380.00
Mobile Computing IIB	MCPB201	6	12	R3730.00
Information Systems IIB	ISYB201	6	8	R2440.00
Applications Development IIB	APDB201	6	12	R3730.00
Information Management IIB	INMB201	6	8	R2440.00
Applications Development Project II	APDP201	6	12	R3390.00
TOTAL				R18110.00
TOTAL CREDITS SEMESTER 1&2			120	
Third Year Curriculum				
Semester Two				
Information Systems IIIA	ISYA301	6	12	R2440.00
Applications Development IIIA	APDA301	6	12	R3730.00
Applications Development Project IIIA	ADPA301	6	12	R3390.00
Human Computer Interaction	HCIN101	6	12	R2440.00
Theory of ICT Professional Practice III	TIPP301	6	12	R2440.00
TOTAL				R14440.00
Semester Two				
Information Systems IIIB	ISYB301	6	12	R3390.00
Entrepreneurial Spirit	ENSP101	6	12	R3390.00
Applications Development IIIB	APDB301	6	12	R5090.00
Applications Development Project IIIB	ADPB301	6	24	R6440.00
TOTAL				R18310.00
TOTAL CREDITS SEMESTER 1&2			120	

Diploma in ICT in Applications Development Curriculum (4-year Foundation programme)

First Year Curriculum				
Semester One	Subject Code	HEQSF Level	SAQA Credits	2021 Fees
Cornerstone 101	CSTN101	5	4	R3260.00
ICT Literacy and Skills	ICTL101	5	3	R2170.00
IT Logic & Technology IA	ILGA101	5	8	R800.00
Fundamentals of Computer Security	FCSC101	5	3	R2170.00
Skills Development IA	SKDA101	5	8	R800.00
Total				R9200.00
Semester Two				
Information Systems I	INSS101	5	3	R2440.00
Operating Systems	OSYS101	5	3	R3190.00
IT Logic & Technology IB	ILGB101	5	8	R800.00
Skills Development IB	SKDB101	5	8	R800.00
Total				R7230.00

TOTAL CREDITS SEMESTER 1&2				48	
Second Year Curriculum					
Semester One					
Business Fundamentals I	BFND101	5	6	R2510.00	
Applications Development IA	APDA101	5	6	R5090.00	
Communications Networks I	CNTW101	5	8	R4140.00	
IT Logic & Technology IIA	ILGA201	5	8	R800.00	
Skills Development IIA	SKDA201	5	8	R800.00	
TOTAL				R13340.00	
Semester Two					
Me, My world, My Universe	MWMU101	5	6	R2040.00	
Applications Development Project I	APDP101	5	8	R3390.00	
Applications Development IB	APDB101	5	6	R4950.00	
IT Logic & Technology IIB	ILGB201	5	8	R800.00	
Skills Development IIB	SKDB201	5	8	R800.00	
TOTAL				R11980.00	
TOTAL CREDITS SEMESTER 1&2				72	
Third Year Curriculum					
Semester One					
Business Fundamentals II	BFND201	6	12	R3190.00	
Mobile Computing IIA	MCPA201	6	8	R2440.00	
Information Systems IIA	ISYA201	6	8	R2440.00	
Applications Development IIA	APDA201	6	12	R3730.00	
Information Management IIA	INMA201	6	8	R2440.00	
IT Project Management	ITPM101	6	12	R3390.00	
TOTAL				R17630.00	
Semester Two					
Community Engagement Project	CMEP101	6	8	R2380.00	
Mobile Computing IIB	MCPB201	6	12	R3730.00	
Information Systems IIB	ISYB201	6	8	R2440.00	
Applications Development IIB	APDB201	6	12	R3730.00	
Information Management IIB	INMB201	6	8	R2440.00	
Applications Development Project II	APDP201	6	12	R3390.00	
TOTAL				R18110.00	
TOTAL CREDITS SEMESTER 1&2				120	
Fourth Year Curriculum					
Semester One					
Information Systems IIIA	ISYA301	6	12	R2440.00	
Applications Development IIIA	APDA301	6	12	R3730.00	
Applications Development Project IIIA	ADPA301	6	12	R3390.00	
Human Computer Interaction	HCIN101	6	12	R2440.00	
Theory of ICT Professional Practice III	TIPP301	6	12	R2440.00	
TOTAL				R14440.00	
Semester Two					
Information Systems IIB	ISYB301	6	12	R3390.00	
Entrepreneurial Spirit	ENSP101	6	12	R3390.00	
Applications Development IIIB	APDB301	6	12	R5090.00	
Applications Development Project IIIB	ADPB301	6	24	R6440.00	
TOTAL				R18310.00	
TOTAL CREDITS SEMESTER 1&2				120	

Higher Certificate in Information Technology

NQF Level: 5

SAQA ID: 98911

Qualification Code: HCINF1

Purpose of Qualification

The purpose of the higher certificate is to provide a student with basic ICT skills and allow exceptional students access to the diploma qualifications.

Entry Requirements: Higher Certificate in Information Technology (IT)

NATIONAL SENIOR CERTIFICATE (NSC) (01 January 2009)		SENIOR CERTIFICATE (SC) (PRE 2009)			NATIONAL CERTIFICATE VOCATIONAL (NCV)	
NSC DIPLOMA ENTRY		SENIOR CERTIFICATE (SC)			(NCV) LEVEL 4	
Compulsory Subjects	NSC Rating Code	Compulsory Subjects	HG	SG	Compulsory Subjects	Mark
English	3	English	E	C	50%	50%
Selection Procedure: These requirements represent the minimum and students will be ranked according to a points system based on the rating code.						

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.

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Higher Certificate in Information Technology (IT)

First Year Curriculum

Semester I	Subject Code	HEQSF Level	SAQA Credits	2021 Fees
Cornerstone I01	CSTN101	5	12	R3260.00
Database Administration	DBAD102	5	12	R3780.00
E-Commerce	ECMR102	5	12	R3780.00
Hardware Support	HDWS102	5	12	R3490.00
Network Support	NWRK102	5	12	R3490.00
TOTAL				R17800.00
Semester Two				
Software Support	SWSP102	5	12	R3490.00
Solutions Development	SLDV102	5	12	R3490.00
Web Project	WEBP102	5	24	R4650.00
Web Technology	WBTC102	5	12	R3490.00
TOTAL				R15120.00
TOTAL CREDITS SEMESTER 1&2			120	

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
- Diploma in ICT in Applications Development
- Diploma in ICT in Applications Development
- Higher Certificate in IT

DU-D-BIT (DBN)

DU-D-APD (DBN)

DU-D-APF (4-year Foundation) (DBN)

DUDHIT (DBN)

Closing Date for Applications: 30 September 2021

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.