



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 characterize 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)

NQF7

SAQA ID: 104534

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.

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		NATIONAL CERTIFICATE VOCATIONAL (NCV) LEVEL 4	
Compulsory Subjects	NSC Rating Code	Compulsory Subjects	HG	Compulsory Subjects	Mark
English English (1st additional)	4	English	D	At least 60% in three fundamental subjects including English,	60%
Mathematics	4	Mathematics	D		
And at least one of the following subjects: • Physical Science • Information Technology • Engineering Design	4	And at least one of the following subjects: • Physical Science • Information Technology • 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 **2020** 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 **2021** fees are not yet final.

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

First Year Curriculum				
Semester 1	Subject Code	HEQSF Level	SAQA Credits	2020 Fees
Business Fundamentals 1	BFND101	6	12	R2400.00
Introduction to Computing	INCP101	5	12	R3850.00
Software Development Fundamental	SWDF101	5	12	R3850.00
Interpersonal Communication & Self	ICMS101	5	8	R1800.00
Mathematics for Computing 1A	MCMA101	6	12	R3430.00
TOTAL				R15 330.00
Semester 2				
	CSTN101	5	12	R2530.00
Business Fundamentals 2	BFND201	6	12	R3050.00
Discrete Structures	DSTR101	6	16	R3850.00
Mathematics for Computing 1B	MCMB101	6	12	R3430.00
Systems Fundamentals	SYSF101	5	12	R3040.00
TOTAL				R15 900.00
TOTAL CREDITS SEMESTER 1&2			120	

Second Year Curriculum				
Semester 1	Subject Code	HEQSF Level	SAQA Credits	2020 Fees
Systems Analysis & Design 2	SADS201	6	12	R3640.00
Law for Life	LWLF101	5	8	R1950.00
Organizational Behaviour 2	OGBH201	5	12	R3640.00
Networks & Operating Systems 2	NOPS201	6	16	R3640.00
Programming Languages 2	PRLN201	6	12	R3640.00
TOTAL				R16 510.00
Semester 2				
Algorithms & Data Structures 2	ALDS201	6	12	R3640.00
Information Management 2	INFM201	6	12	R3640.00
Information Assurance & Security 2	INAS201	6	16	R3640.00
Entrepreneurship spirit	ENSP101	6	12	R3240.00

Computer Organization & Architecture 2	COAR201	6	16	R3640.00
Total				R17 800.00
TOTAL CREDITS SEMESTER I&2			124	

Third Year Curriculum				
Semester 1	Subject Code	HEQSF Level	SAQA Credits	2020 Fees
Software Engineering 3	SFEN301	7	16	R3850.00
Platform Based Development 3	PBDV301	7	16	R3850.00
Integrative Programming & Technology 3	IPRT301	7	16	R3850.00
Social & Professional Issues 3	SPRI301	7	16	R3850.00
Project 3A	PRJA301	7	8	R2530.00
Total				R17 930.00
Semester 2				
Project 3B	PRJB301	7	12	R2530.00
Industry Exposure	IEXPI01	7	12	R3960.00
Electives, any 2 of the following				
Project Management 3	PJMN301	7	16	R2530.00
Strategy Acquisition & Management 3	SAQM301	7	16	R3850.00
Business Intelligence 3	BSIT301	7	16	R3850.00
Parallel & Distributed Computing 3	PDCP301	7	16	R3850.00
Machine Intelligent 3	MCHI301	7	16	R3850.00
Human Computer Interaction 3	HCPI301	7	16	R3850.00
Graphics 3	GRPH301	7	16	R3850.00
Web Systems & Technology 3	WSYT301	7	16	R3850.00
Total				R12 870.00/ R14 190.00
TOTAL CREDITS SEMESTER I&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 6

SAQA ID: 94697

Purpose of qualification

The purpose of the diploma is to provide a professional, vocational or career focused qualification for the ICT industry. The knowledge emphasizes general principles and applications. Further the diploma will develop learners who can demonstrate focused knowledge and skills to design and produce software products and systems to meet specified needs so that they work reliably and their production and maintenance is cost effective. This specialization expands the purpose of the qualification by enabling a graduate (diplomate) to conceptualize, design, implement & test application development solutions to address industry related ICT initiatives.

Entry Requirements: (Diploma in ICT in Applications Development)

NATIONAL SENIOR CERTIFICATE (NSC) (01 January 2009)		SENIOR CERTIFICATE (SC) (PRE 2009)			NATIONAL CERTIFICATE VOCATIONAL (NCV)	
NSC DIPLOMA ENTRY		SENIOR CERTIFICATE (SC)			NATIONAL CERTIFICATE VOCATIONAL (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) NATIONAL CERTIFICATE VOCATIONAL (NCV) LEVEL 4	
Compulsory Subjects	NSC Rating Code	Compulsory Subjects	HG	SG	Compulsory Subjects	Mark
English English (1st additional)	3	English	E	D	At least 50% in three fundamental subjects including English,	50%
Mathematics OR Mathematics Literacy	3 5	Mathematics	E	D		
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						

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 (AI) & 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 **2020** 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 **2021** fees are not yet final.

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

Diploma in ICT in Applications Development

First Year Curriculum

Semester 1	Subject Code	HEQSF Level	SAQA Credits	2020 Fees
Cornerstone 101	CSTN101	5	12	R2530.00
ICT Literacy and Skills	ICTL101	5	8	R1950.00
Business Fundamentals I	BFND101	5	12	R2400.00
Applications Development 1A	APDA101	5	12	R4860.00
Fundamentals of Computer Security	FCSC101	5	8	R2080.00
Information Systems I	INSS101	5	8	R2340.00
TOTAL				R14 430.00
Semester 2				
Me, My world, My Universe	MWMU101	5	8	R1950.00
Operating Systems	OSYS101	5	12	R3050.00
Applications Development Project I	APDP101	5	12	R3240.00
Applications Development 1B	APDB101	5	12	R4730.00
Communications Networks I	CNTW101	5	16	R3950.00
TOTAL				R14 970.00
TOTAL CREDITS SEMESTER 1&2			120	

Second Year Curriculum

Semester 1	Subject Code	HEQSF Level	SAQA Credits	2020 Fees
Business Fundamentals 2	BFND201	6	12	R2400.00
Mobile Computing 2A	MCPA201	6	8	R2340.00
Information Systems 2A	ISYA201	6	8	R2340.00
Applications Development 2A	APDA201	6	12	R4860.00
Information Management 2A	INMA201	6	8	R2340.00
IT Project Management	ITPM101	6	12	R3240.00
TOTAL				R17 520.00
Semester 2				
Community Engagement Project	CMEP101	6	8	R2270.00
Mobile Computing 2B	MCPB201	6	12	R2340.00
Information Systems 2B	ISYB201	6	8	R2340.00
Applications Development 2B	APDB201	6	12	R3570.00
Information Management 2B	INMB201	6	8	R2340.00
Applications Development Project 2	APDP201	6	12	R3240.00
TOTAL				R17 330.00
TOTAL CREDITS SEMESTER 1&2			120	

Third Year Curriculum

Semester 1	Subject Code	HEQSF Level	SAQA Credits	2020 Fees
Information Systems 3A	ISYA301	6	12	R2340.00
Applications Development 3A	APDA301	6	12	R3570.00
Applications Development Project 3A	ADPA301	6	12	R3240.00
Human Computer Interaction	HCIN101	6	12	R2340.00
Theory of ICT Professional Practice 3	TIPP301	6	12	R2340.00
TOTAL				R13 830.00
Semester 2				
Information Systems 3B	ISYB301	6	12	R3240.00
Entrepreneurial Spirit	ENSP101	6	12	R3240.00
Applications Development 3B	APDB301	6	12	R4860.00
Applications Development Project 3B	ADPB301	6	24	R6 150.00
TOTAL				R17 490.00
TOTAL CREDITS SEMESTER 1&2			120	

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

First Year Curriculum

Semester 1	Subject Code	HEQSF Level	SAQA Credits	2020 Fees
Cornerstone 101	CSTN101	5	4	R2530.00
ICT Literacy and Skills	ICTL101	5	3	R1950.00
IT Logic & Technology IA	ILGA101	5	8	R770.00
Fundamentals of Computer Security	FCSC101	5	3	R2080.00
Skills Development IA	SKDA101	5	8	R770.00
Total				R8100.00
Semester 2				
Information Systems I	INSS101	5	3	R2340.00
Operating Systems	OSYS101	5	3	R3050.00
IT Logic & Technology IB	ILGB101	5	8	R770.00
Skills Development IB	SKDB101	5	8	R770.00
Total				R6930.00
TOTAL CREDITS SEMESTER 1&2			48	

Second Year Curriculum

Semester 1	Subject Code	HEQSF Level	SAQA Credits	2020 Fees
Business Fundamentals I	BFND101	5	6	R2400.00
Applications Development IA	APDA101	5	6	R4860.00
Communications Networks I	CNTWI01	5	8	R3950.00
IT Logic & Technology 2A	ILGA201	5	8	R770.00
Skills Development 2A	SKDA201	5	8	R770.00
TOTAL				R12 750.00
Semester 2				
Me, My world, My Universe	MWMU101	5	6	R1950.00
Applications Development Project I	APDP101	5	8	R3240.00
Applications Development IB	APDB101	5	6	R4730.00

IT Logic & Technology 2B	ILGB201	5	8	R770.00
Skills Development 2B	SKDB201	5	8	R770.00
TOTAL				R11 460.00
TOTAL CREDITS SEMESTER 1&2			72	

Third Year Curriculum				
Semester 1	Subject Code	HEQSF Level	SAQA Credits	2020 Fees
Business Fundamentals 2	BFND201	6	12	R2400.00
Mobile Computing 2A	MCPA201	6	8	R2340.00
Information Systems 2A	ISYA201	6	8	R2340.00
Applications Development 2A	APDA201	6	12	R4860.00
Information Management 2A	INMA201	6	8	R2340.00
IT Project Management	ITPM101	6	12	R3240.00
TOTAL				R17 520.00
Semester 2				
Community Engagement Project	CMEP101	6	8	R2270.00
Mobile Computing 2B	MCPB201	6	12	R2340.00
Information Systems 2B	ISYB201	6	8	R2340.00
Applications Development 2B	APDB201	6	12	R3570.00
Information Management 2B	INMB201	6	8	R2340.00
Applications Development Project 2	APDP201	6	12	R3240.00
TOTAL				R17 330.00
TOTAL CREDITS SEMESTER 1&2			120	

Fourth Year Curriculum				
Semester 1	Subject Code	HEQSF Level	SAQA Credits	2020 Fees
Information Systems 3A	ISYA301	6	12	R2340.00
Applications Development 3A	APDA301	6	12	R3570.00
Applications Development Project 3A	ADPA301	6	12	R3240.00
Human Computer Interaction	HCIN101	6	12	R2340.00
Theory of ICT Professional Practice 3	TIPP301	6	12	R2340.00
TOTAL				R13 830.00
Semester 2				
Information Systems 3B	ISYB301	6	12	R3240.00
Entrepreneurial Spirit	ENSP101	6	12	R3240.00
Applications Development 3B	APDB301	6	12	R4860.00
Applications Development Project 3B	ADPB301	6	24	R6150.00
TOTAL				R17 490.00
TOTAL CREDITS SEMESTER 1&2			120	

Higher Certificate in Information Technology

NQF 5

SAQA ID: 98911

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 for the 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)			NATIONAL CERTIFICATE VOCATIONAL (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 **2020** 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 **2021** fees are not yet final.

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

First Year Curriculum				
Semester 1	Subject Code	HEQSF Level	SAQA Credits	2020 Fees
Cornerstone 101	CSTN101	5	12	R2530.00
Database Administration	DBAD102	5	12	R3610.00
E-Commerce	ECMR102	5	12	R3610.00
Hardware Support	HDWS102	5	12	R3330.00
Network Support	NWRK102	5	12	R3330.00
TOTAL				R16 410.00
Semester 2				
Software Support	SWSPI02	5	12	R3330.00
Solutions Development	SLDV102	5	12	R3330.00
Web Project	WEBPI02	5	24	R4440.00
Web Technology	WBTC102	5	12	R3330.00
TOTAL				R14 430.00
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 November of the previous year.

Application forms

Contact the Central Applications Office (C.A.O)

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
DU-D-APD
DU-D-APF (4-year Foundation)
DUDHIT

Closing Date for Applications: 30 November 2020

For further information:

Contact the Department of Information Technology,

Block B, 2nd Floor, Ritson Campus

Tel: 031 373 5596

Email: ITdept@dut.ac.za

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