

NATIONAL DIPLOMA: INFORMATION TECHNOLOGY (Extended curriculum programme with foundation provision) Qualification code: NDITF1

Please note: This is not the name of the qualification which will be awarded at the end of a student's studies. The qualification which will be issued will show a field of specialisation and it will be awarded at completion of 3,000 credits.

Campus where offered: Soshanguve South Campus
eMalahleni Campus - only for applicants who will slot in with the first year of the National Diploma: Information Technology (Field of specialisation: Software Development)
Polokwane Campus - only for applicants who will slot in with the first year of the National Diploma: Information Technology (Field of specialisation: Software Development)

Important notification to new applicants:

Students who intend to enrol for this qualification for the first time in 2017 should note that it will not be possible to continue with any Baccalaureus Technologiae as from 2020, since it is being replaced by qualifications aligned with the newly-implemented Higher Education Qualification Sub-Framework. Potential students are advised to consult the University's website for any new qualifications which might not be published in this Prospectus.

REMARKS

Important information for the prospective student:

- The admission requirements as indicated below will be the only criteria considered for admission to the National Diploma: Information Technology.
- Applicants who have already enrolled at another university, university of technology or SAQA-accredited equivalent, and who meet the minimum requirements, may officially apply and having been accepted, subject exemptions may be granted (this is not applicable to subjects from the foundation year). However, any qualification or subjects passed at other institutions do not imply or automatically guarantee admission to the programmes.
- Applicants who do not meet the minimum requirements, but completed other qualifications or are currently studying at other institutions, may formally apply for recognition of prior learning (RPL) and prepare a portfolio according to the RPL rules and regulations of TUT. The portfolio will be evaluated by the Faculty EXCO and approved by the RESSS Committee and Senate. This process may take up to six months. RPL is also applicable in the instances where applicants completed other qualifications or, are currently studying at other institutions, qualify for the extended programme (NDITF1), yet would like to be accepted into the mainstream programme (NDIT12).

a. *Admission requirement(s) and selection criteria:*

FOR APPLICANTS WHO OBTAINED A SENIOR CERTIFICATE BEFORE 2008:

Admission requirement(s):

A Senior Certificate or an equivalent qualification with a 50% pass in Mathematics at the Standard Grade (SG).

Recommended subject(s):

Computer Science and Physical Science.



Selection criteria:

Initial selection is based on school results. Applicants are assessed according to the following formula:

SYMBOL	HG	SG
A	5	4
B	4	3
C	3	2
D	2	1
E	1	0

Applicants should obtain at least 9 points, as well as at least a D symbol at the Standard Grade for Mathematics, in order to be invited for an assessment.

Applicants will be notified to make an appointment with the departmental secretary for this assessment. This rule applies to all applicants, as well as to applicants who are already registered at other institutions.

- **FOR APPLICANTS WHO OBTAINED A NATIONAL SENIOR CERTIFICATE IN OR AFTER 2008:**

Admission requirement(s):

A National Senior Certificate with a bachelor's degree or a diploma endorsement or an equivalent qualification, with an achievement level of at least 3 for English (home language or first additional language) and 3 for Mathematics or 5 for Mathematical Literacy.

Recommended subject(s):

None.

Selection criteria:

To be considered for this qualification, applicants must have an Admission Points Score (APS) of at least **18** (with Mathematics) or at least **20** (with Mathematical Literacy).

Assessment procedures:

Applicants who meet the minimum requirements will be considered for admission to the programme.

When the final Grade 12 results are available –

- applicants who were accepted for the extended programme who obtained a final mark of at least 4 for Mathematics will be moved to the National Diploma; and
- applicants who were accepted for the National Diploma, but whose final mark for Mathematics was only 3, will be moved to the extended programme.

- **FOR APPLICANTS WHO OBTAINED A QUALIFICATION FROM TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING (TVET) COLLEGES (PREVIOUSLY KNOWN AS FET COLLEGES):**

Applicants with a National Certificate (Vocational) at NQF Level 4:**Admission requirement(s):**

A National Certificate (Vocational) at NQF level 4 with a bachelor's degree or a diploma endorsement issued by the Council for General and Further Education and Training (Umalusi), with at least 50% (APS of 4) for English and 50% (APS of 4) for Mathematics or at least 60% (APS of 5) for Mathematical Literacy and at least 60% (APS of 5) in any three other vocational subjects.



Selection criteria:

To be considered for this qualification, applicants must have an Admission Points Score (APS) of at least **23** (with Mathematics) or **24** (with Mathematical Literacy).

Applicants with a National N Certificate as published in Nated 191: N3 at (NQF Level 4):

A National Senior Certificate or a N Certificate as published in Nated 191: N3 (NQF Level 4) issued by the Council for General and Further Education and Training (Umalusi) with at least 40% (APS of 3) for English and 50% (APS of 4) for Mathematics.

- b. *Minimum duration:*
Four years, divided as follows:
- Year one: foundation subjects.
 - Year two: general first-year subjects.
 - Years three and four: specialisation subjects.
- c. *Presentation:*
Day classes.
- d. *Intake for the qualification:*
January only.
- e. *Exclusion and readmission:*
See Chapter 2 of Students' Rules and Regulations.
- f. *Laboratory periods:*
Apart from classes scheduled for the four foundation subjects, students will also have to attend compulsory laboratory periods for at least eight hours per week (which are linked to specific subjects), in order to become familiar with keyboard skills, computational thinking and problem-solving skills, and various other skills needed in the IT environment.
- g. *Subject credits:*
Subject credits are shown in brackets after each subject.

CURRICULUM**FIRST YEAR**

CODE	SUBJECT	CREDIT
FIRST SEMESTER		
FPALS01	Foundation Academic and Language Skills	(0,125)
FPITM01	Foundation ICT Mathematical Skills	(0,125)
TOTAL CREDITS FOR THE SEMESTER:		0,250
SECOND SEMESTER		
FPIDS01	Foundation Information and Software Development Skills	(0,125)
FPPRS01	Foundation Presentation and Reporting Skills	(0,125)
TOTAL CREDITS FOR THE SEMESTER:		0,250
TOTAL CREDITS FOR THE FIRST YEAR:		0,500



SECOND YEAR

After completion of all first-year subjects.

CODE	SUBJECT	CREDIT	PREREQUISITE SUBJECT(S)
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FIRST SEMESTER

CFS10AT	Computing Fundamentals IA	(0,062)	
CGS10AT	Computing Systems IA	(0,062)	
CMK10AT	Computing Skills IA	(0,063)	
DSO17AT	Development Software IA	(0,063)	

TOTAL CREDITS FOR THE SEMESTER: 0,250

SECOND SEMESTER

CFS10BT	Computing Fundamentals IB	(0,062)	
CGS10BT	Computing Systems IB	(0,062)	
CMK10BT	Computing Skills IB	(0,063)	
DSO17BT	Development Software IB	(0,063)	Development Software IA

TOTAL CREDITS FOR THE SEMESTER: 0,250

TOTAL CREDITS FOR THE SECOND YEAR: **0,500**

THIRD AND FOURTH YEARS

A Student will register for any of the following fields of specialisation (see applicable departments):

- National Diploma: Information Technology: Business Applications
- National Diploma: Information Technology: Communication Networks
- National Diploma: Information Technology: Intelligent Industrial Systems
- National Diploma: Information Technology: Multimedia
- National Diploma: Information Technology: Software Development
- National Diploma: Information Technology: Support Services
- National Diploma: Information Technology: Technical Applications (for repeaters only)
- National Diploma: Information Technology: Web and Application Development (for repeaters only)

TOTAL CREDITS FOR THE THIRD AND FOURTH YEARS: **2,000**

TOTAL CREDITS FOR THE QUALIFICATION: **3,000**

