



## BSc degree in Information Technology

*The road  
to your future.*

### Introduction

By obtaining a qualification at the North-West University (NWU) you will accelerate your career and improve your effectiveness and efficiency in the workplace.

The North-West University:

- is one of a few worldwide universities that has a strong contact-, as well as a distance learning mode of delivery;
- is an internationally recognised university with an international student body from 68 countries;
- is the second largest university in South Africa with more than 70 000 students;
- has some of the best academic support programmes in Africa resulting in a success rate of 86,3% by our students; and
- the International Universum research shows that 82% of NWU students will choose the university again as first choice for their studies.

### Method of Delivery

The programme is presented by means of direct contact with lecturers through the whiteboard lectures, asynchronous on-line video lectures, eFundi Learning Management Platform and a Call Centre.

All examinations are conducted at exam centres, with NWU staff setting the examination papers and assessing answer scripts, thus ensuring that all students have met the required module and programme outcomes. Open Distance Learning studies are only available in English as a medium of instruction. Assignments and examinations may be written in Afrikaans if preferred.

### Other Requirements

It is **compulsory**, and the responsibility of the student to ensure that he/she has access to, or obtains the necessary technology, such as a computer and smart phone that meets the minimum specifications of the NWU. Access to a computer with Windows 7 or higher, as well as an Internet connection of at least 2Mbps, is required for the BSc in IT degree.

### Career Possibilities: SA and Internationally

There are numerous career possibilities for an IT graduate in South Africa and abroad, such as Programmer Software Engineer, Application Developer, Systems Administrator, Systems Analyst and Designer, Business Analyst, Database Administrator and Designer, Business Intelligence Developer, Project Leader, Entrepreneur, Information Technology Manager, and Researcher. Special opportunities exist in fields, such as data science, information security and quality, mobile and web application development, computer networks, supply chain, operations and logistics management.

### Learning Support Centres

**Namibie:** Windhoek and Oshakati

**Gauteng:** Pretoria and NWU Vaal Campus

**North-West:** NWU Potchefstroom, NWU Mafikeng and Vryburg

**Mpumalanga:** Ermelo

**Eastern Cape:** Port Elizabeth

**KwaZulu Natal:** Empangeni

**Western Cape:** Parow

## Programme Specifications for BSc degree in Information Technology

Programme of study	Duration	Programme outcomes	Admission requirements	Fees for 2018
<b>BSc degree in Information Technology</b>	The minimum study period for this qualification is three years of study and a maximum of six years.	Design, development and delivery of computerised systems; contribute to management of information and information sources; develop IT-related solutions; lifelong learning and entrepreneurship.	Matriculation exemption APS Score of 26 Mathematics level 4 (50-59%)	<b>R 35 800</b>

## Programme Layout

First Year	Second Year	Third Year
<b>First Semester</b>		
Introduction to Computing and Programming	Programming II	Databases
Mathematics	User Interface Programming II	Decision Support Systems I
Statistics I	Systems Analysis and Design I	Artificial Intelligence
Financial Accounting I	Communication Skills	Computer Networks
Introduction to Business Management	Information Security	
	Understanding the natural world	
<b>Second Semester</b>		
Programming I	Advanced Programming	Advanced Databases
User Interface Programming I	Data Analytics	Decision Support Systems II
Statistics II	Systems Analysis and Design II	IT Developments
Financial Accounting II	Discrete Mathematics	Operating Systems
Academic Literacy	Entrepreneurial Opportunities	
	Science and Society	

## Calculating the APS score

Your percentage obtained in six subjects are used to calculate the APS score. Four subjects come from the designated subject list of subjects for university admission. The APS score obtained for Life Orientation is not taken into account in calculating the APS score.

NSC Level	APS score
8 - (90-100%)	8
7 - (80-89%)	7
6 - (70-79%)	6
5 - (60-69%)	5
4 - (50-59%)	4
3 - (40-49%)	3
2 - (30-39%)	2
1 - (0-29%)	1

## Cost and Financial Assistance

All fees are annually adapted and may change. The study fees for BSc in Information Technology are N\$ 35 800 for 2018 and include registration fees, study material and software. E-mail [puk-studyfees@nwu.ac.za](mailto:puk-studyfees@nwu.ac.za) for a quotation. Financial assistance through FNB will also be provided.

## Contact Information

**Call Centre:** 018 285 5900

**Email:** [DistancePotch@nwu.ac.za](mailto:DistancePotch@nwu.ac.za)

**Website:** [www.distance.nwu.ac.za](http://www.distance.nwu.ac.za)

**Facebook:** Unit for Open Distance Learning

Disclaimer: Study information is subject to change and is a summary of the general fields of study. This information was compiled for introduction purposes and the North-West University accepts no liability for inaccuracies that may occur in this guide.