



# Higher Certificate in Information Systems (Data Analytics)

SAQA ID 102780 NQF level 5

## 🕒 Qualification duration

**Part-Time** (Campus)

Minimum: 2.5 years

Maximum: 5 years

## ☰ Qualification description

Develop new insights and spearhead innovation. Data analytics is the science of drawing insights from raw information sources. Data is the foundation of the digital age; hence, it is important to inspect, cleanse, transform, and model data with the goal of discovering useful information, inform conclusions, and support decision-making.

The Higher Certificate in Information Systems (Data Analytics) is a career-focused qualification that is intensive but also broad. It provides you with the fundamental and technical knowledge as well as the applicable skill set in Databases, Python Programming, Importing and Cleaning Data, Data Manipulation, Data Visualisation, and Statistical Thinking in Python. You will also cover topics such as Computer Literacy, Program Design, Processing and Logic Concepts. Throughout the qualification, you will complete technical projects and face challenging problems that will prepare and empower you for the future world of work.

We attribute much of the success of our Higher Certificate programmes in Information Systems (IS) to our unique MLM platform. The MLM route, which is a modular self-directed learning approach, gives you the flexibility to start and progress through the programme at a pace that best suits you. This learning methodology together with our cutting-edge facilities such as computer labs, IS open learning areas, hardware pods and smart pods, will prepare you for the real IT work environment of the future.

Over and above this, you will develop essential skills for the world of work, especially for the IT industry, such as analysing and solving real problems, logical thinking, being innovative and adaptable, working in teams and communicating effectively.

## 📄 Qualification accreditation

- Accredited by the Higher Education Quality Committee (HEQC) of the Council on Higher Education (CHE)
- Registered with the South African Qualifications Authority (SAQA)

## This qualification is offered at the following campuses:

- Bedfordview
- Bloemfontein
- Claremont
- Durban
- East London
- Mbombela
- Nelson Mandela Bay
- Potchefstroom
- Pretoria
- Tyger Valley
- Vanderbijlpark

## 🕒 Entry requirements

- South African National Senior Certificate (NSC) with Bachelor's degree, Diploma or Higher Certificate endorsement.  
**Or**
- A National Certificate (Vocational) level 4 issued by the Council of General and Further Education and Training with Bachelor's degree, Diploma or Higher Certificate endorsement.  
**Or**
- A Certificate of evaluation on a minimum NQF level 4 for foreign qualification confirmed by SAQA.  
**Or**
- A letter or certificate confirming an exemption from Universities South Africa (USAf) for any other school-leaving results.  
**Or**
- Completion of a Bachelor's degree, Diploma, Higher Certificate or equivalent.



# Higher Certificate in Information Systems (Data Analytics)

SAQA ID 102780 NQF level 5

## Possible career options

The career choices for you as a Higher Certificate in Information Systems (Data Analytics) graduate include junior positions in:

- Database Administration
- Data Science
- Data Business Analysis
- Business Intelligence Analysis

## Qualification structure

- Computer Literacy (Microsoft)
- Personal Skills Development
- Processing and Logic Concepts
- Program Design
- IT Fundamentals
- Software Engineering
- Database Design Concepts
- Database Management Choice of: SQL Server or MySQL
- Cloud Foundations (AWS)
- Python Programming
- Python for Data Science
- Data Analysis with Python
- Final - Information Systems (Data Analytics)