



# Higher Certificate in Information Systems (Engineering)

SAQA ID 102780 NQF level 5

## 🕒 Qualification duration

### Full-Time

Minimum: 1 year  
Maximum: 3 years

### Part-Time

Minimum: 2.5 years  
Maximum: 5 years

## ☰ Qualification description

Open the door to your future world of work. The Higher Certificate in Information Systems (Engineering) is a career-focused qualification that is intensive but also broad. It will develop your programming ability and hardware skills so that you can work in a range of areas in the IT industry.

The Higher Certificate in Information Systems (Engineering) provides you with solid theoretical and intensive practical foundation of one programming language and one database language, where the emphasis is on application. You will develop a balance of software and hardware knowledge as well as extensive technical experience. The core subject areas are Databases, a Programming Language of your choice, Network+ and Cloud Foundations. Other topics covered include Computer Literacy, Program Design, Processing and Logic Concepts. Throughout the qualification you will complete technical projects so that you are able to troubleshoot hardware problems.

We attribute much of the success of our Higher Certificate programmes in Information Systems (IS), to our unique Mastery Learning Methodology (MLM). This 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 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).
- Eduvos is a proud CompTIA (Computing Technology Information Association) partner. Due to this partnership with CompTIA, students who opt for the Engineering stream, will qualify to attempt the Network+ CompTIA certification exam at partner pricing\*.

\*This is applicable only for the first sitting and the CompTIA certification exam fees are added to the course fee.

## This qualification is offered at the following campuses:

- Selected Eduvos Campuses

## 🕒 Entry requirements

1. South African National Senior Certificate (NSC) with Bachelor's degree, Diploma or Higher Certificate endorsement.
2. 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.
3. Or a Certificate of evaluation on a minimum NQF level 4 for foreign qualification confirmed by SAQA.
4. Or a letter or certificate confirming an exemption from Universities South Africa (USAf) for any other School leaving results.
5. Or completion of a Bachelor's degree, Diploma, Higher Certificate or equivalent.



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## Possible career options

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

- Programming
- Network Administration
- Database Administration

## 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
- Basic and Advanced Programming Language Choice of: Java or C#
- Network+
- Linux Operating System
- Cloud Foundations (AWS)
- Final - Information Systems (Engineering)