



# Higher Certificate in Information Systems (Software Development)

SAQA ID 102780 NQF level 5

## 🕒 Qualification duration

### Part-Time

Minimum: 2.5 years

Maximum: 5 years

## ☰ Qualification description

Develop 21st century skills that go beyond the lecture hall. The Higher Certificate in Information Systems (Software Development) is a career-focused qualification that is intensive but also broad. It will develop your programming ability and mobile development skills so that you can work in a range of areas in the IT industry.

The Higher Certificate in Information Systems (Software Development) provides you with solid theoretical and intensive practical foundation programming and databases, where the emphasis is on application development. The core subject areas are one Database Language and two Programming Languages of your choice. 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 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. In addition, you also have the opportunity to study through the Lecture-Based Learning (LBL) approach using the Block model.

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 description

Are you curious about the inner workings of programme design and do you wonder how you would install software and administer application development? Eduvos will give you the answers.

## ✅ 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.

## 📁 Possible career options

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

- Programming
- Database Administration
- Mobile Application Development



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## 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
- Pretoria
- Tyger Valley

## Qualification structure

### Year 1

- 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#
- Basic Programming Language Choice of:
  - Java or C# or Mobile Development or PHP
- Linux Operating System
- Final - Information Systems (Software Development)