

Undergraduate Degrees

- BSc Computer Science (BSc CS) - major in Computing Sciences and (Physics or Mathematics or Applied Mathematics or Mathematical Statistics)
- BCom Computer Science and Information Systems (BCom CS&IS) - major in Computing Sciences and (Business Management or Economics)
- BCom Information Systems (BCom IS) - major in Computing Sciences and Business Management.
- BCom Accounting Science (Chartered Accounting)

Admission requirements

General

- Minimum NSC statutory requirements for degree entry must be met
Applicants need to meet direct entry requirements

Direct Entry Requirements

- BCom CS&IS and BCom IS
Application Score : 390, Mathematics : 60
- BCom Acc Sc and BSc CS
Application Score : 410, Mathematics : 65

Postgraduate Degrees

- BCom Honours (CS&IS)
- BCom Honours (IS)
- BSc Honours (CS&IS)
- MCom (CS&IS)
- MSc (CS&IS)
- PhD (CS&IS)

Change the World

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Computing Sciences

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About Computing Sciences

Computing Sciences includes two main fields, Computer Science and Information Systems. Computer Science designates the scientific and mathematical approach in computing. Its subfields include computational problems, computer graphics, programming languages and human-computer interaction.

Information Systems bridges the computer science field with the business field, and includes topics such as business intelligence, enterprise resource planning and business process modeling.

Careers in Computing Sciences

The following are some of the available computing careers. There are almost 300 different careers in computing.

Business Analyst - assesses business problems and opportunities and provides computing solutions that make clients more efficient and profitable.

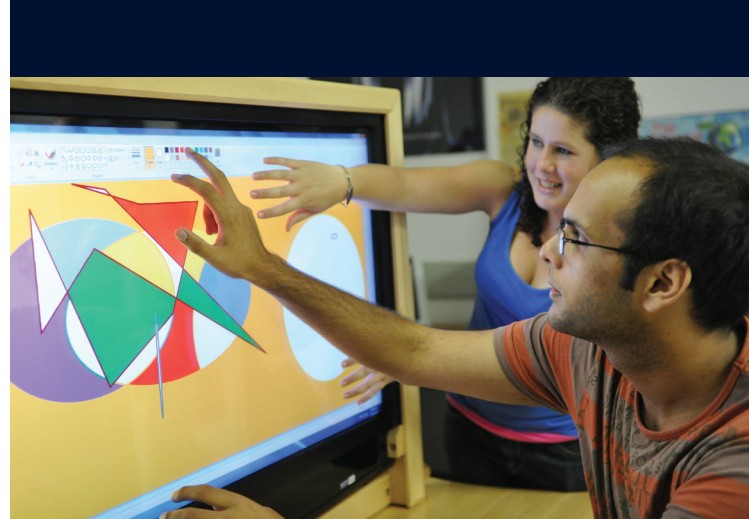
Systems Analyst - responsible for developing technological IT solutions for commercial and public sector organisations; they aim to improve business efficiency and productivity.

Software Engineer - apply the principles and techniques of computer science, engineering, and mathematical analysis to the design, development, testing and evaluation of the computer systems.

Computer Programmer - after computer software engineers and systems analysts design software solutions, the programmer converts the designs into computer programs.

Database Developer - designs, implements and modifies databases, which contain, among other things, records of files, such as sales transactions, product catalogues and inventories.

Information Systems Specialist - supports and administers information database systems, analyses problems and issues related to the information system software and other related software.



Computer Auditor - will audit a company's computerised accounting and financial applications, as well as advise on the accounting practices of a company.

Web Developer - research, design, establish, monitor and maintain websites for companies and individuals.

Games Programmer - designs new computer games and defines the way the games are played.

ERP Consultant - Involved with the development, implementation and support of ERP systems that integrate the business processes and information of an organisation.

Resources

Eleven undergraduate, postgraduate and research laboratories, with over 350 PC's. Eye tracking equipment. Large multi-touch surface. Usability laboratory. Virtual reality equipment. Robots. Various mobile devices.

Financial bursaries & loans

- Matriculants can automatically qualify for a Scholar Merit award based on their final Grade 12 results.
- Leadership awards are available for head prefects.
- NSFAS loans are available to assist students who have the academic potential to succeed, but who do not have the financial means to gain access to tertiary institutions (closing date – end of October).
- Sports bursaries are available.
- Various other bursaries are administered by the university.

Financial Aid Department:
financialaid@mandela.ac.za/041 504 2550

