



Strathmore
UNIVERSITY

FOR MORE DETAILS CONTACT:

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**MASTER OF SCIENCE
INFORMATION TECHNOLOGY
(MSc.IT)**



Strathmore University

**Faculty of Information
Technology**



Master of Science: Information Technology (MSc.IT)

The Master of Science in Information Technology (MSc.IT) is a programme designed to meet the needs of the market for expertise in Information Technology (IT).

The Masters of Science in Information technology (MSc.IT) is designed to meet the increasing demand in the work place for IT professionals with a broad and sound knowledge of both the technical and the managerial skills. This program is designed for IT professionals with growing experience in the workplace. It has a unique blend of courses, a diverse student body, and coursework taught by academic professors with industry partnerships. The professors prepare graduates to strategically plan, implement, and manage information technology systems in a broad range of industries.

SPECIALIZATION AREAS

The specializations are as follows:

- Information Systems Management: Students learn about computer databases, Managing Quality in Information Systems and Computer Security.
- Artificial Intelligence: Students will study areas that include Artificial Intelligence, Robotics and Expert Systems.
- Software Engineering: Students will study areas that include Software Testing and Measurement, and Formal Methods of Software Development.
- Networking and Communications: Students will study areas that include Enterprise Networking Systems, Wireless networks and Network Management and Administration.
- Systems Security and Audit: Students will study

areas that include Cryptography and Enterprise Systems Security.

CAREERS

Students are prepared to work as information management personnel, System designers and developers, System Analysts, IS Audit & Security Experts, IT Consultants, Senior level managers in IT, academics in IT, etc. The programme also opens the way for candidates who may wish to develop further their knowledge in IT through research, with the intention of progressing to doctoral levels.

LEARNING FACILITIES

E-Learning

Strathmore University is a pioneer in the use of ICT. Our e-learning system enables students to view the coursework material that lecturers have posted, submit their finished assignments, update their calendars, interact and chat with fellow students, participate in various fora and communicate with their lecturer. Students have access to numerous computer laboratories, unlimited Internet, a wide range of software and e-mail. A wireless network enables students with laptops access to the network from various locations around the campus.

Library

WHY STRATHMORE?

Quality Education
Student Mentoring
Rigorous Standards

International Faculty
Powerful Networks

The library complex and reading room are spacious, with an atmosphere that is highly conducive to private study and research. The wide range of material contributes to the university's excellent academic performance. The library system is available online.

OUR ENTRY REQUIREMENTS

The following are eligible for admission into the Master of Science (IT) programme:

- Holders of First Class or Upper Second Class Honours degrees in a Computer Science or IT discipline from recognised universities or;
- Holders of other related qualifications from recognised universities, considered by the Academic Council as equivalent to a First Class or Upper Second Class degree in Computer Science or IT discipline; or
- Holders of Lower Second Class degrees plus Postgraduate Diploma or Certificates and should have at least two year's working experience in a business or research environment.

Exemptions

Exemptions and Credit transfers will be granted at the discretion of the Academic Council and will be no more than 50% of the total course loading.

Interview

- Wednesdays and Fridays at 2 o'clock
- Required: 2 passport size photos
- Copies of certificates
- KShs 2000 interview fees
- Required to attend and pass an oral interview and graduate entrance examination (GEE)
- Required to present two reference letters from academic referees. Download referee forms from sgs.strathmore.edu.

Intake

The programme starts in May every year.

