TECHNICAL UNIVERSITY OF MOMBASA

ISO 9001:2015 Certified

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PROGRAMME BROCHURE · UNDERGRADUATE

Bachelor of Science in Information Technology

8 Semester(s) · Full Time · Institute of Computing and Informatics

Qualification level	Undergraduate
Duration	8 Semester(s)
Mode of study	Full Time
Awarded by	Technical University of Mombasa
Sponsorship	Government-Sponsored / Self-Sponsored
School / institute	Institute of Computing and Informatics
Department	Computer Science and Information Technology
Programme code	BSIT

Overview

The Bachelor of Science in Information Technology (BSIT) program at the Technical University of Mombasa is designed to equip students with the theoretical knowledge, practical skills, and professional competencies required to manage, develop, implement, and evaluate information technology systems.

The program focuses on how information technology can support organizational operations, improve business processes, and address technological challenges. Students gain knowledge in areas such as computer systems, programming, database management, networking, cybersecurity, systems analysis and design, artificial intelligence, mobile computing, cloud computing, and IT governance.

The program is offered over four academic years, comprising eight semesters. It includes coursework, practical laboratory sessions, industrial attachment, and a final-year project.

Entry requirements

Applicants seeking admission to the Bachelor of Science in Information Technology program must meet any of the following minimum requirements:

A candidate must meet the University's minimum admission requirements, including a KCSE aggregate mean grade of **C+ (C Plus)**, and attain the following minimum subject grades. Mathematics **C (Plain)**, Physics or Physical Sciences **C (Plain)**, and English/Kiswahili **C (Plain)**. Alternatively, a candidate may have a minimum of two principal passes in science subjects in the Kenya Advanced Certificate of Education (KACE), specifically Mathematics and Physics.

OR

A candidate must hold a KNEC Diploma or its equivalent in Information Technology or Computer Studies from an institution recognized by the University Senate. Candidates admitted through this route are admitted into the first year of study. Possession of the minimum requirements does not guarantee automatic admission to the programme.

What you will learn

By the end of the program, graduates should be able to:

- Explain basic principles in humanities, business, and applied sciences.

- Demonstrate knowledge and skills in the field of Information Technology.
- Apply social, legal, and ethical principles in Information Technology.
- Develop Information Technology solutions for organizations.
- Evaluate IT solutions to select the most appropriate solutions for organizations.

Career prospects

Graduates of the Bachelor of Science in Information Technology programme may pursue careers in various sectors, including government institutions, private companies, financial institutions, telecommunications, technology firms, educational institutions, and organizations that rely on information technology.

Potential career opportunities include:

- IT Support Specialist
- IT Systems Analyst
- Software Developer
- Web Developer
- Database Administrator
- Network Administrator
- Cybersecurity Specialist
- Data Analyst
- IT Project Officer / IT Project Manager
- IT Consultant

Fees

Computer Science and Information Technology - Undergraduate fee structure · amounts in KES per semester (version 2)

	Semester 1	Semester 2	Year total
Year 1	30,525	22,525	**53,050**
Year 2	22,525	22,525	**45,050**
Year 3	22,525	22,525	**45,050**
Year 4	22,525	22,525	**45,050**
Total for the programme			**188,200**

How to apply

Apply online through the student information system at **smis.tum.ac.ke/application/register**. Have your academic certificates, national ID or passport and a passport photograph ready. For admission dates, requirements for your intake and help with your application, contact the office above.

Contact us

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