TECHNICAL UNIVERSITY OF MOMBASA
ISO 9001:2015 Certified

Tom Mboya Street, Tudor, Mombasa
P.O. Box 90420-80100
+254 41 2492222
info@tum.ac.ke
tum.ac.ke

PROGRAMME BROCHURE · DIPLOMA

Diploma in Computer Science

6 Semester(s) · Full Time / Part Time · Institute of Computing and Informatics

Qualification level	Diploma
Duration	6 Semester(s)
Mode of study	Full Time / Part Time
Awarded by	Technical University of Mombasa
Sponsorship	Self-Sponsored
School / institute	Institute of Computing and Informatics
Department	Computer Science and Information Technology
Programme code	DCS

Overview

The Diploma of Computer Science (DCS) programme is designed to train competent computer science technologists who can respond to societal needs through the use of computer applications, software design and development, computer networks, and computer systems maintenance. The programme is motivated by the need for Kenya to harness computing science to increase productivity and effectiveness across economic sectors, promote socio-economic awareness of computing, participate effectively in the global technological economy, and address the increasing demand for computer science professionals.

The programme aims to equip students with skills in computer applications, software and network design and development, and computer systems maintenance. It prepares graduates to apply computer science knowledge and skills in real-life situations. The programme normally extends over three academic years and comprises 37 course units. It includes an industrial attachment of at least eight weeks and a computer science project equivalent to two course units.

Entry requirements

A candidate seeking admission to the Diploma of Computer Science programme must meet the minimum University admission requirements and satisfy either of the following conditions:

A candidate must have attained a minimum KCSE mean grade of **C- (C Minus)**, with a **PASS in Mathematics, English or Kiswahili, and Physics**.

OR

A candidate must have a pass in the Certificate in Information Technology and Computer Maintenance (CICM) or an equivalent course from a recognized institution.

What you will learn

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

- Demonstrate knowledge in the core areas of Computer Science.
- Demonstrate competence in the design and development of systems.
- Demonstrate analytical, conceptual, and problem-solving skills.

- Apply skills acquired in real-life situations.

Career prospects

Graduates of the Diploma of Computer Science programme may pursue careers in various sectors, including government institutions, private companies, financial institutions, technology firms, software companies, telecommunications, and organizations that use computer-based systems.

Potential career opportunities include:

- Computer Programmer
- Software Developer
- Web Developer
- Database Support Technician
- Systems Analysis Assistant
- Network Support Technician
- Mobile Applications Developer
- Computer Systems Technician
- Computer Security Support Assistant
- Computer Hardware and Maintenance Technician

Fees

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

	Semester 1	Semester 2	Year total
Year 1	41,505	36,005	**77,510**
Year 2	36,005	36,005	**72,010**
Year 3	36,005	36,005	**72,010**
Total for the programme			**221,530**
Application fee (paid once, when you apply)			**1,500**

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

Enquiries	Computer Science and Information Technology, Institute of Computing and Informatics
Email	rkaingu@tum.ac.ke
Phone	+254 41 2492222
Office	Main Campus, Opposite University Library
Address	Tom Mboya Street, Tudor, Mombasa · P.O. Box 90420-80100
Website	tum.ac.ke