TECHNICAL UNIVERSITY OF MOMBASA
ISO 9001:2015 Certified

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PROGRAMME BROCHURE · DIPLOMA

Information Communication Technician Level 6

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

Qualification level	Diploma
Duration	6 Semester(s)
Mode of study	Full 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	0610 627 A

Overview

The Information Communication Technician Level 6 programme is designed to train a competent ICT technician who will respond to societal needs through the use of computer applications, the design and development of software, computer networks, and the maintenance of computer systems.

The programme is competency-based and aims to equip trainees with the practical knowledge, skills, and attitudes required to perform effectively in the ICT sector. It addresses the demand for trained personnel who can support technological development, improve productivity, and respond to the changing needs of industry.

The curriculum covers basic, common, and core units of learning. These include communication skills, digital literacy, employability skills, entrepreneurship, occupational safety and health, programming, networking, computer security, database systems, web development, mobile applications, systems administration, multimedia systems, wireless technologies, and network infrastructure.

Entry requirements

An individual entering this course should have any of the following minimum requirements.

- Kenya Certificate of Secondary Education (KCSE) mean grade **C**, Kenya Certificate of Education (KCE) Division **3**, or completion of **Computer Technician Level 5**.
- Any other qualification equivalent to that of Computer Technician Level 6, as determined by the Technical and Vocational Education and Training Authority (TVETA).

What you will learn

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

- Perform web development, including preparing web development project plans, designing web pages, linking web pages to databases, and testing website functionality.
- Develop basic mobile applications and maintain their performance.
- Manage computer systems by assembling and disassembling hardware, troubleshooting hardware and software faults, installing computer software, and maintaining computer systems.

- Perform multimedia system tasks, including multimedia digitization, compression, application design, and multimedia authoring.
- Manage wireless technologies by designing, implementing, and maintaining basic wireless applications.
- Manage database systems by designing databases, installing database management systems, testing database systems, and maintaining databases.
- Manage network infrastructure by designing, installing, configuring, and maintaining networks.

Career prospects

The curriculum does not explicitly list job titles for graduates. However, its competency areas indicate potential employment opportunities in software development, computer systems support, networking, multimedia, database management, and related ICT services.

Potential career opportunities include:

- Web Development Technician
- Mobile Application Developer
- Computer Systems Technician
- ICT Support Technician
- Multimedia Technician
- Wireless Network Technician
- Database Technician
- Network Infrastructure Technician
- Computer Programmer
- ICT Field 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

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