



PROGRAMME BROCHURE · CERTIFICATE

Certificate in Information Communication Technology and Computer Maintenance

4 Semester(s) · Part Time · Institute of Computing and Informatics

Qualification level	Certificate
Duration	4 Semester(s)
Mode of study	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	CICM

Overview

The Certificate in ICT and Computer Maintenance (CICM) programme is designed to train competent computer technologists who can respond to societal needs through the use of computer applications, software development, computer networks, and computer systems maintenance. The programme is motivated by the need to impart technical skills that meet industry and business requirements, particularly in computer networks and computer maintenance. It also provides opportunities for students pursuing technical courses in Information Technology to advance their careers, acquire practical skills to adapt to changes in the ICT industry, and progress to further training.

The programme aims to equip trainees with the necessary skills to install and maintain computer networks and carry out maintenance work on computer systems. The programme normally extends over two academic years, comprising four semesters of sixteen weeks each. It consists of 21 course units, including an internal attachment of at least eight weeks.

Entry requirements

A candidate seeking admission to the Certificate in ICT and Computer Maintenance programme must meet the minimum University admission requirements and satisfy either of the following conditions.

A. Direct Entry

A candidate must have attained a minimum KCSE mean grade of **D+ (D Plus)** with a PASS in Mathematics and English/Kiswahili.

B. Indirect Entry

A candidate may be admitted with an equivalent qualification recognized by the institution.

What you will learn

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

1. Demonstrate knowledge in the core areas of ICT.

2. Demonstrate competence in ICT system support and maintenance.
3. Demonstrate analytical, conceptual, and problem-solving skills.
4. Apply skills acquired in real-life situations.

Career prospects

Graduates of the Certificate in ICT and Computer Maintenance programme may pursue entry-level technical opportunities in government institutions, private companies, educational institutions, computer repair businesses, and organizations that use computer systems and networks.

Potential career opportunities include:

1. Computer Maintenance Technician

Graduates may diagnose computer faults, perform repairs, replace components, and carry out routine computer maintenance.

2. Computer Installation Technician

Graduates may install and configure computer hardware, operating systems, and application software.

3. Computer Workshop Assistant

Graduates may assist with computer assembly, configuration, troubleshooting, and practical workshop activities.

4. ICT Support Assistant

Graduates may help users resolve basic computer, software, and ICT equipment problems.

5. Network Installation Assistant

Graduates may assist in installing and maintaining network infrastructure and connectivity equipment.

6. Computer Hardware Support Technician

Graduates may assemble, upgrade, configure, and troubleshoot computer hardware components.

7. Software Installation Assistant

Graduates may install, customize, and update operating systems and application software.

8. Database Assistant

Graduates may assist with database entry, retrieval, organization, and maintenance.

9. Information Security Support Assistant

Graduates may assist in applying basic information security practices and protecting computer systems.

10. Computer Laboratory Assistant

Graduates may help prepare, maintain, and support computer laboratories and their equipment.

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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