

THE OPEN UNIVERSITY OF TANZANIA
FACULTY OF SCIENCE, TECHNOLOGY AND ENVIRONMENTAL STUDIES
DEPARTMENT OF INFORMATION & COMMUNICATION TECHNOLOGY

P.O. Box 23409
Dar es Salaam, Tanzania
<http://www.out.ac.tz>



Tel: 255-22-2668992/2668445 ext.2101
Fax: 255-22-2668759
E-mail: hod.ict@out.ac.tz
Mob: +255 679950442

ANNOUNCEMENT FOR NEW POSTGRADUATE PROGRAMMES

MSc in Computer Science (MScS)

The Department of ICT, Faculty of Science Technology and Environmental Studies (FSTES) is delighted to introduce a new postgraduate programmes MSc in Computer Science (MScS) The Department has scheduled to offer the programme from January 2020. Thereafter, the Department will continue to enroll students twice per year; March and September. . Please find below detailed information regarding the programmes:

1. Entry qualification

The minimum qualifications for the Master of Science in Computer Science shall be a Bachelor degree in all fields related to Computer Science subjects.

- (a) For admission to the Master of Science in Computer Science degree of The Open University of Tanzania, a candidate shall either hold a BSc ICT or BSc in Data Management degree of The Open University of Tanzania or a qualification from an approved institution of higher learning, deemed to be equivalent to a degree of The Open University of Tanzania of not less than GPA of 2.7.
- (b) Candidates with PASS division will also be considered for admission if: (i) Their undergraduate performance in Computer Science related subjects was a B grade average or above; and (ii) They have satisfied the ICT department and the faculty in general that they have exhibited academic potential through extensive field work, subsequent research experience and/or additional training in the field of Computer Science.
- (c) Candidates who hold unclassified degrees should have a credit or, a distinction in the subjects related to Computer Sciences.
- (d) Candidates from all fields related to B. Sc in Computer Science, B. Sc. in Computer Engineering or BSc in Electronics including but not limited to Informatics, Microelectronic Engineering, ICT, Applied IT, Telecommunication, Aerospace, Space Technologies, Satellite Communications, Networks, Multimedia, Digital Arts, Internet Science and Technology, Software Engineering, IS Management, Computing in Intelligent Systems, Computer Games Development, Multimedia Technology and Media Informatics, Cyber Security, Geo-informatics, Data Science, Data Management, Information Sciences and Engineering, Big Data, Business Analytics, Digital Forensics, Applied Cloud Technology, Internet of Things and Mobile Application Development.

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2. Programme Fee for Local Students

S/N	ITEM	TSH
1	Examination fees paid annually	20,000 per examination paper except ODEX which is 30,000 per paper
2	Students Organization fee paid annually	20,000
3	Students ID Card	20,000
4	Quality Assurance fee paid annually	20,000
5	Registration Fee	50,000
6	Plagiarism fee	20,000
7	Tuition Fee	TShs. 250,000/= per unit; hence, TShs. 4.5m for a total of 18 units.

3. Programme Fee for International Students

S/N	ITEM	Fee for EAC/SADC(USD)	Fee for Non EAC/SADC(USD)
1	Examination fees paid annually	20 USD per examination paper except ODEX which is 30 USD per paper	20 USD per examination paper except ODEX which is 30 USD per paper
2	Students Organization fee paid annually	40	60
3	Students ID Card	20	20
4	Quality Assurance fee paid annually	20	40
5	Registration Fee	100	100
6	Plagiarism fee	20	20
7	Tuition Fee	210 USD per unit; hence, 3,780 USD for a total of 18 units.	350 USD per unit; hence, 6,300 USD for a total of 18 units.

4. Courses and Units

The Master of Science in Computer Science is a mixed mode programme and consists of taught courses and a dissertation. The programme consists of a total of 18 Units. Candidates must complete and pass 6 core courses with a total of 12 Units and a Dissertation with 6 units. The dissertation is compulsory to all candidates. There are two streams leading to MSc in Computer Science which are Information Systems and Cyber Security (the different streams will only be reflected on Transcripts, but the Certificate will read MSc in Computer Science). Both streams will share 5 core courses. However, specialized courses will be selected based on the stream. Furthermore, the candidate must produce a dissertation that is in line with the chosen stream.

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CORE COURSES		
CODE	COURSE TITLE	Units
OCS 601	Scientific Research Methods	1
OIM 601	IT Entrepreneurship and Management	1
OCS 602	Data Warehouse and Data Mining	1
OCS 603	Core networks, Virtualization and Cloud Computing	2
OCS 604	Advanced Programming and Algorithms	1
OCS 609	Dissertation	6
SPECIALIZATION COURSES		
INFORMATION SYSTEMS		
CODE	COURSE TITLE	Units
OCS 605	Mobile and Web based Information Systems	2
OCS 606	Intelligent Expert Systems	2
OCS 607	Management information systems	2
SPECIALIZATION COURSES		
CYBER SECURITY		
CODE	COURSE TITLE	Units
OCS 608	Ethical Hacking, Security Audit and Digital Forensics	2
OCS 609	Network Security and Cryptography	2
OIM 602	IT Security Planning and Management	2

5. Duration of programme

MSCS duration is 18 months. There are three (03) semesters for coursework (9 months) and remaining 9 months for dissertation Arrangement of semesters and teaching subjects are as follows:

1st trimester OCS 601, OIM 601, OCS 602

2nd trimester OCS 603, OCS 604

3rd trimester OCS 605, OCS 606, OCS 607, OCS 608, OCS 609, OIM 602

9 months dissertation

6. Examination

Students will sit for only one exam at University level (AE worth 70%). Students will accumulate the remaining 30% from course work during face to face sessions with lecturers. Dissertation will include proposal presentation, defence and other procedures as regulated by the DPGS

FOR MORE INFORMATION:

Contact Head of Department: +255 679950442, hod.ict@out.ac.tz