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

P.O. Box 23409
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25th Oct. 2019

ANNOUNCEMENT FOR NEW POSTGRADUATE PROGRAMMES

MSc in Computer Science and MSc in Information Technology Management

The Department of ICT, Faculty of Science Technology and Environmental Studies (FSTES) is delighted to introduce two new postgraduate programmes MSc in Computer Science (**MSCS**) and MSc in Information Technology Management (**MSITM**)

The Department has scheduled to offer the programmes from January 2020. Thereafter, the Department will continue to enroll students twice per year; April and November.

. Please find below detailed information regarding the programmes:

1. Duration of programme

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

1st semester OCS 601, OIM 601, OIM 602

2nd semester OIM 603, OIM 604

3rd semester OCS 607, OIM 605, OIM 606 and dissertation proposal preparation

9 months dissertation

MSCS duration is 18 months. There are three (03) semesters for coursework (9 months) and remaining 9 months for dissertationArrangement 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

2. Mode of Delivery

Delivery of both masters will be blended-mode (face to face and Moodle). However, please note that:

In regional centres there will be one (01) scheduled face to face per semester for duration of 1 week. Hence, there will be three (03) scheduled face to face sessions for coursework.

In Dar es Salaam, there will be one (01) scheduled evening face to face per semester for duration of 2 weeks. Hence, there will be three (03) scheduled face to face sessions for coursework.

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3. The Fee

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	40,000
3	Students ID Card	20,000
4	TCU Quality Assurance fee paid annually	40,000
5	Tuition Fee	TShs. 250,000/= per unit; hence, TShs. 4.5m for a total of 18 units.

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	40
3	Students ID Card	20	20
4	TCU Quality Assurance fee paid annually	40	40
5	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. Entry qualification

MSITM: The minimum qualifications for the Master of Science in Information Technology Management shall be a Bachelor degree in all fields related to Information Technology Management subjects.

(a) For admission to the Master of Science in Information Technology Management 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 Information Technology Management 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

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exhibited academic potential through extensive field work, subsequent research experience and/or additional training in the field of Information Technology Management.

(c) Candidates who hold unclassified degrees should have a credit or, a distinction in the subjects related to Information Technology Management.

(d) Candidates from all fields related to BSc in IT Management, BSc in Computer Science, BSc 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.

(e) Candidates with PASS or higher division in the Bachelor programmes in the fields of Science, Business and Arts subjects including Physics, Chemistry, Mathematics, Economics, Finance, Management, Commerce, Accounting, Marketing and Business Administration.

MSCS: 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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5. Courses and Units

MSITM

The Master of Science in Information Technology Management is a mixed mode programme and consists of taught courses and 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.

	CORE COURSES	
CODE	**COURSE TITLE**	**Units**
OCS 601	Scientific Research Methods	1
OIM 601	IT Entrepreneurship and Management	1
OIM 602	IT Security Planning and Management	2
OIM 603	IT Strategic Management, Communications and Leadership	2
OIM 604	Legal and Ethical Aspects of Computing	2
OCS 607	Management Information Systems	2
OCS 610	Dissertation	6
	ELECTIVE COURSES (Choose 1)	
CODE	**COURSE TITLE**	**Units**
OIM 605	Networks and Smart Computing	2
OIM 606	Data and Knowledge Management	2

MSCS

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.

	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

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CODE	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

1. Supervision

For both programmes, Dissertation will take nine months and will include proposal presentation, defence and other procedures as regulated by the DPGS.

2. Examination

For both programmes, students will sit for only one exam at University level (AE worth 70%). Students will accumulate the remaining 30% during face to face sessions with lecturers

FOR MORE INFORMATION:

Contact Head of Department through email: hod.ict@out.ac.tz or Call: +255 719 868 376
Or Programme Coordinator Grace Mbwete: 0655315978, ictdpt.coordinator@out.ac.tz