

Masters in Science (Information Technology)

Programme Summary

This programme addresses the theoretical and practical underpinnings behind current and emerging Information and communication technologies. The programme graduates develop skills to manage an organization's IS/IT strategies and ICT infrastructure by assisting those with a minimal computing background, to enhance their knowledge in ICT arena.

Rationale of the Programme

Information and Communication Technology (ICT) domain is growing at a rapid pace and there is a need for a quality Post Graduate programme that prepares students to cater the growing needs of this industry. MSc in Information Technology is concerned with the analysis and design of highly scalable software solutions and will address the theoretical underpinnings behind emerging Information technologies and at the same time gain exposure to manage IS /IT organization.

The programme is aimed to provide the required skills needed in an industry that will extend and enhance the knowledge and skills of computing and non-computing graduates and prepare them for a career in the design and management of Information Technology solutions.

This programme provides an opportunity to critically evaluate various tools and technologies and integrate them to design and develop software solutions that meet the system requirements to solve complex business problems. They will be equipped with further knowledge of, and experience in, appropriate system development methods whilst also considering the legal, ethical and social issues around IS/IT that will enable them to make strategic decisions. It will also provide a sound basis for further continuing professional development.

This programme ensures that students will gain profound knowledge in project management practices which enable them to successfully schedule, monitor and track complex IT projects and ensure quality deliverables.

Programme Objective

The programme is intended:

- to provide relevant and useful programmes, that can meet or be tailored to the needs of individuals, containing both theoretical and practical subjects across a range of focused areas in information and communications technology;
- to develop skills and knowledge acquired through previous study and experience to enhance students' transferable and professional skills and, thereby, their wider employment prospects;
- to enable students to enhance their analytical, critical communication and presentation skills in the context of their taught modules;
- to familiarize students with the central problems of research in applied and theoretical computing and to enable them to operate as effective independent researchers and/or consultants in their chosen specialized areas;
- to provide relevant and topical subject content for personal professional development that promotes good practice in the workplace, particularly relating to computer-based systems and operations;
- to provide specialist skills and knowledge to encourage a professional approach to the planning, design and management of complex networked and distributed systems;
- to enable students to adapt to future changes in network and communications technology.

Specialisation Subjects
Information Security
Database System and Administration
Enterprise Systems
System Development and Procurement
MCommerce
Project Management
IS / IT Strategy
Knowledge Management

Career Opportunities

MSc.-(IT) graduates can work effectively in the government and private sectors in the positions of Chief Information Officer, Software architect,

Software consultant, e-business and e-procurement managers, business and system analysts, database administrators and IT Project managers to name a few.

Admission conditions

1. To be considered for admission to the MSc (IT) Programme at Middle East College (MEC), a candidate must have successfully completed any one of the following.
 - a) A second class or higher Honours Degree in any subject.
 - b) A third class Bachelor's Degree in addition to appropriate and relevant experience of minimum of two years to be confirmed by an interview at MEC.
 - c) An advanced Diploma, Diploma or equivalent in addition to appropriate and relevant experience of minimum of six years to be confirmed by an interview at MEC.

2. Students whose first language is not English must:
 - a) Demonstrate proficiency in the English language equivalent to an IELTS score of 6.5.OR
 - b) Provide a letter stating that the language of instruction in the academic programme previously undertaken has been in English.

3. All applications will be subject to approval from the Coventry University and the Ministry of Higher Education, Sultanate of Oman.

Duration

Full Time – One year

Part Time – Two years

Note: Full Time option shall be offered only if there are sufficient enrolments on the programme.

Fees

Fees: OMR. 6285

Other fees: OMR 100 Registration fee (Non-Refundable)

OMR 100 Caution Deposit (Refundable at the time of leaving the college)

Programme Structure – MSC(IT)

Weeks		Programme Structure			
		Year 1	C.P	Year 2	C.P
1-6 weeks	Fall Semester	Project Management	15	Knowledge Management	15
7-12 weeks		Information Security	15	Systems Development and Procurement	15
	Total		30		30
1-6 weeks	Spring Semester	M-Commerce	15	Project	30
7-12 weeks		Enterprise Systems	15	Project	30
	Total		30		60

1-6 weeks	Summer Semester	Database Systems and Administration	15		
7-12 weeks		IS / IT Strategy	15		
	Total		30		
			90		90
	Grand Total				180