



## Middle East College

Muscat, (Sultanate of Oman)

Validated Programme Leading to the Award of:

**BSc (Hons) Business Information Technology**

### **1. ESSENTIAL QUALITIES AND ATTRIBUTES OF THE PROGRAMME'S GRADUATES**

This programme aims to prepare students to be successful IT managers in the growing world of technology by providing skills and understanding across the core areas of computing and systems management.

### **2. RATIONALE OF THE PROGRAMME**

In today's fast changing world, computing and information systems are becoming an essential part of many organizations. Information has become a management resource equal in importance to property, facilities, employees and capital, and information systems and computer applications are essential to the ability of an organisation to compete or gain competitive advantage in the marketplace.

The Business Information Technology programme places emphasis the analysis of business processes, the development and selection of appropriate computing solutions, project management and human aspects of information systems development. The subject areas included in the curriculum will equip the students with an in-depth knowledge of the use of information systems and analytical methods to support the analysis and design of policy and practice in business. It will also provide the opportunity for students to develop skills in systems analysis and design, the development and management of database systems, and the use of programming languages.

It is recognised that in today's field of business information technology, skills are transitory. Hence, the programme seeks to ensure that a balance is struck between learning current techniques and emphasising the underlying fundamentals and theories which will provide a sound basis for understanding and evaluating new approaches, techniques and technologies.

This combination of business and technology studies will equip students for a variety of roles within the business and commercial sectors. Graduates from this programme are likely to find opportunities for work as IT advisers, system specialists, data analysts and the like.

BSc (Hons) - Business Information Technology													
	Year 1	CU Level	C.P	Year 2	CU Level	C.P	Year 3	CU Level	C.P	Summer	Year 4	CU Level	C.P
Fall Semester	College Mathematics	0	10	Marketing	1	10	COMPUTER ARCHITECTURE	2	15	INTERNSHIP	Omani Studies	0	10
	Programming Logic Development	0	10	Business Communication	0	10	FUNDAMENTALS OF COMPUTER NETWORKS	1	15		SPECIAL TOPIC / SYSTEMS PROJECT MANAGEMENT	3	15
	English for Special Purpose	0	10	FUNDAMENTALS OF RELATIONAL DATABASE MANAGEMENT SYSTEMS	2	15	Principles of Finance	2	10		DATABASE ADMINISTRATION	3	15
	FUNDAMENTALS OF COMPUTER HARDWARE	0	15	Principles of Accounting	1	10	Active Server Pages	2	10		Strategic Management	3	10
	FOUNDATIONS OF BUSINESS ORGANISATION	1	15	ELECTIVE - I	1	15	Academic English	0	10		Project Planning	3	10
				60			60				60		
Spring Semester	Calculus and Numerical Methods	1	10	Human Resource Management	2	10	E-commerce Technologies	3	10		IT Strategy	3	10
	Probability and Statistics	0	10	Discrete Mathematics	1	10	MANAGEMENT AND ORGANISATIONAL BEHAVIOUR	2	15		Information Security Audit	3	10
	Introduction to Internet	0	10	Front End Technologies	1	10	Enterprise Resource Planning	1	10		ELECTIVE - III	3	10
	SYSTEM ANALYSIS AND DESIGN	1	15	Management Information Systems	2	10	Knowledge Management	3	10		Project Design and Implementation	3	30
	INTRODUCTION TO PROGRAMMING	0	15	PROJECT - I	2	20	ELECTIVE - II	2	15				
			60			60			60				60
	Certificate in Computing			Diploma in Business Information Technology			Advanced Diploma in Business Information Technology				BSc (Hons) in Business Information Technology		
WHITE	10	COLLEGE REQUIREMENT				Level 0	110						
TURQUOISE	10	DEPARTMENTAL REQUIREMENT				Level 1	120						
YELLOW	13	MAJOR ELECTIVES				Level 2	120						
RED	2	PROJECT				Level 3	130						
LAVENDAR	4	ELECTIVES					480						
	39						Level 2+Level 3		250				

### **3. PROGRAMME LEARNING OUTCOMES**

On successful completion of the programme, students should be able to:

1. demonstrate knowledge and understanding of essential facts, concepts, principles and theories relating to business information technology and its application within business organisations.
2. deploy appropriate theory, practices and tools for the specification, design, deployment and marketing of information systems.
3. evaluate an information systems in terms of general quality attributes and assess the extent to which it meets the specification for its current use and future development.
4. present succinctly to a range of audiences (orally, electronically or in writing) rational and reasoned arguments that explain the application and value of business information technology.
5. recognise the professional, commercial and ethical issues involved in the exploitation of business information technology and be guided by the adoption of appropriate professional, ethical and legal practices.
6. work effectively as a member of a development team, recognising the different roles within a team and different ways of organising teams.

Transferable skills form an integral part of most modules. Self-directed learning and the necessity to work within tight deadlines are essential requirements in all parts of the curriculum. A variety of assessment techniques will ensure that students are given every opportunity to demonstrate skills in these areas.

### **4. PROGRAMME LEARNING OUTCOMES and CORE MODULES MAPPING**

<b>MODULE</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Business Environment	X				X	
Business Communication						X
Introduction to Internet		X				
Programming Logic Development		X				
Fundamentals of Computer Hardware	X					
Foundations of Business Organisation	X					
Systems Analysis and Design	X	X	X			X
Introduction to Programming		X				
Management and Organisational Behaviour	X					
Fundamentals of RDBMS		X	X			
Principles of Accounting	X				X	
Human Resource Management	X					
Front End Technologies		X	X			
Management Information Systems	X	X	X			
Project 1		X		X	X	X
Computer Architecture	X					
Fundamentals of Computer Networks		X				
Principles of Finance	X				X	
Active Server Pages		X				X
E-Commerce Technologies		X	X			
Marketing Management	X			X		X
Enterprise Systems		X	X			
Knowledge Management			X			X
Systems Project Management		X		X	X	
Database Administration		X			X	
Strategic Management			X	X	X	
IT Strategy			X	X	X	
Information Security Audit			X		X	
Project II				X	X	

