



الكلية الحديثة للبحوث والتجارة  
MODERN COLLEGE  
OF BUSINESS & SCIENCE

24583 525  
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www.mcbs.edu.om

## BACHELOR OF SCIENCE IN INFORMATION SYSTEMS

### PROGRAM OVERVIEW

The Bachelor of Science in Business Administration with the pathway to Management Information Systems (MIS) is an undergraduate degree program that focuses on the intersection of business and technology.

This program combines core business courses with specialized coursework in information systems and technology to provide students with a comprehensive understanding of how technology can be leveraged to support business operations and decision-making.

It covers topics such as database management, systems analysis and design, business intelligence, cybersecurity, and enterprise resource planning.

With a range of technical and business skills, graduates are well-equipped to support organizations in managing information systems, analyzing data, making data-driven decisions, and driving innovation.

### ADMISSION CRITERIA

- Recognized general education diploma or its equivalent
- Students joining MCBS must go through an English placement test to determine the appropriate English level
- Students presenting a valid score of 5-5.5 in IELTS or 65-79 in internet based TOEFL (iBT) are exempted from the English program
- Students will need to go through Mathematics and IT placements tests to determine their levels of proficiency in these subjects as they are part of the GFP or possible exemption

EXCELLENCE IN HIGHER EDUCATION

## PROGRAM STRUCTURE

**Duration:** 4 years

**Total credits:** 120

**Program delivery:** 12-15 credits per semester

**Internship:** Minimum 2 months

**Courses:** apart from courses closely related to the Program subject matter, students take general education and business courses(60 credits):

- Communication skills requirements: 9 credits
- Social Science electives: 9 credits
- Humanities electives: 9 credits
- Science electives: 3 credits
- Mathematics requirements: 9 credits
- Business requirements: 18 credits
- Free electives: 3 credits

### Program Core Requirements: (44 Credits)

ICT 101	Fundamentals of Information Technology	(3)
CPT 182	Programming in C	(3)
COSC 1301	Object Oriented Programming I	(3)
COSC 2320	Database Management Systems	(3)
COSC 2325	Data communication and Networks	(3)
ICT 128	Web Application Technique	(3)
ICT 130	Introduction to Operating System	(3)
ISYS 2301	Enterprise Architecture and Systems	(3)
ISYS 2310	IT Infrastructure	(3)
MIS 215	Information System Analysis	(3)
MIS 285	Project Management & Practice	(3)
MIS 310	Information System Design	(3)
ISYS 4310	IS Strategy, Management and Acquisition	(3)
ISYS 4270	Information System Project I	(2)
ISYS 4380	Information System Project II	(3)

### Program Electives: (15 credits)

ISYS 3322	Application Development in DotNet	(3)
ISYS 3330	Business Process Management	(3)
ISYS 4322	Introduction to Human-Computer Interaction	(3)
ISYS 4330	IT Audit and Controls	(3)
ISYS 4332	IS Innovation and New Technologies	(3)
CPT 170	Programming with Visual Basic	(3)
COSC 2301	Object Oriented Programming II	(3)
ICT 361	Network Security	(3)
CPT 304	Electronic Commerce Protocols	(3)
FIN 204	Financial Management	(3)
MIS 306	Decision Support Systems	(3)
MIS 312	Information Systems Security	(3)
BUS 156	Legal Environment of Business	(3)
BUS 250	Business Statistics	(3)

### Internship: (1 Credit)

ICT 3145	Internship	(1)
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