



RESEARCH UNIVERSITY

Master of Information Technology

Specialization:

Information Technology Management

- This programme is designed for candidates who wish to obtain knowledge of applying Information Technology (IT) in variety of context, such as Management, Education, Library and Information Services, Manufacturing and others.
- This programme aims at producing responsible, innovative and creative graduates with skills in planning, organizing, designing and managing variety of ICT-based solutions to different kind of organizations.

ENTRY REQUIREMENT

CGPA \geq 3.0 for the Bachelor Degree of Information Technology or Computer Science from UTM or any other recognized Institution of Higher Learning ; **OR**

CGPA \geq 3.0 for the Bachelor Degree other than Information Technology (IT) and related fields with some several years of working experience related in IT; **OR**

CGPA $<$ 3.0 for the Bachelor Degree in related to Information Technology fields with several years of working experience in Information Technology and recognized by University Senate.

* Bachelor degree other than IT/CS & no working experience in IT field are required to take prerequisite subjects *

PROGRAMME EDUCATION OBJECTIVES (PEO)

PEO	PEO Statement
PEO 1	Capable in managing information technology (IT) projects of various types and sizes and being able to organize and lead the organization's information communication and technology (ICT) strategy.
PEO 2	Capable to identify the needs of the industry and being able to use ICT to transform business organizations.
PEO 3	Knowledgeable in technical, and management skills, and able to design, develop and manage IT systems effectively and efficiently.
PEO 4	Knowledgeable in ICT foundation for self-reliance and learn for self-development to face rapid changes in IT and information system (IS) field.

PROGRAMME LEARNING OBJECTIVES (PLO)

PLO	PLO STATEMENT
PLO 1	Integrate state-of-the-art of digital technologies knowledge in producing innovative ideas and solution to solve organization problem.
PLO 2	Analyze complex organization problems and proposing innovative solutions through utilization of digital technologies.
PLO 3	Develop innovative digital solutions for solving complex organization problems by considering organization mission and visions.
PLO 4	Demonstrate collaboration and interaction with multiple stakeholders professionally and ethically to support the learning and working environment.
PLO 5	Demonstrate competencies in presenting innovative idea and digital solutions to different audience using various communication mediums.
PLO 6	Use wide range of digital technologies competently in study and research.
PLO 7	Use quantitative or qualitative tools competently in analyzing the data.
PLO 8	Practice significant autonomy, leadership and responsibility to resolve the complex and unpredictable organization problem.
PLO 9	Demonstrate self-advancement and principles of lifelong learning in academic and professional development.
PLO 10	Initiate an entrepreneurial ventures and interventions in sustaining organization.
PLO 11	Demonstrate adherence to legal and professional and contribute to the development of ethical sound codes of practice.

CURRICULUM STRUCTURE

Pre-Requisite Courses		
SCSD 2613 - System Analysis and Design		
SCSD 2523 - Database Systems		
SCSD 1513 – Technology and Information Systems		
Code	Course	Credit
Core Courses (12 credits) (compulsory)		
MBSC 1253	IT Planning and Management	3
MBSC 1213	System Development Application	3
MBSC 2553	Trends in Information Technology Applications	3
MBSC 1283	Research Methodology in IT Management	3
Elective Courses (6 credits) (choose TWO only)		
MBSC 1353	Computer Communications and Technology	3
MBSP 1203	Software Technology	3
MBSC 1263	IT Project Management	3
MBSC 2573	IT for Organizational Transformation	3
MBSC 2593	Information and Knowledge Management	3
MBSC 2613	Information Security & Management System	3
MBSC 2623	Enterprise Information Systems	3
MBSS 2113	Human Computer Interaction	3
MBSC 2673	Special Topic in Information Technology for Management	3
MBSS 1323	Advanced Computer Graphic	3
Dissertation		
MBSC XX80	Dissertation	24
University General Course (3 credits) (choose ONE only)		
	https://sps.utm.my/universitys-general-courses/	3
TOTAL CREDIT		45

PROGRAMME STRUCTURE

3 SEMESTERS

YEAR 1				YEAR 2	
SEMESTER 1		SEMESTER 2		SEMESTER 1	
Courses	Credit	Courses	Credit	Courses	Credit
4 Core Courses	12	1 University General Course	3	Dissertation	15
2 Elective Courses	6	Dissertation	9		
TOTAL	18	TOTAL	12	TOTAL	15
TOTAL CREDIT					45

PROGRAMME STRUCTURE

4 SEMESTERS

YEAR 1			
SEMESTER 1		SEMESTER 2	
Courses	Credit	Courses	Credit
1 University General Course	3	1 Core Course	3
3 Core Courses	9	2 Elective Courses	6
TOTAL	12	TOTAL	9

YEAR 2			
SEMESTER 1		SEMESTER 2	
Courses	Credit	Courses	Credit
Dissertation	9	Dissertation	15
TOTAL	9	TOTAL	15
TOTAL CREDIT			45

CLASS STRUCTURE

4 SEMESTERS

Semester	Day	Week Odd (1, 3, 5, 7, 9, 11, 13)	Week Even (2, 4, 6, 8, 10, 12, 14)
1	1	General University Course / Elective Course	MBSC 1213 - System Development Application
	2	MBSC 1253 - IT Planning and Management	MBSC 2553 - Trends in Information Technology Applications
2	1	MBSC 1283 - Research Methodology in IT Management	General University Course / Elective Course
	2	General University Course / Elective Course	General University Course / Elective Course
3	General University Course		
	MBSC XX80 - Dissertation		
4	MBSC XX80 - Dissertation		
	* For General University Course – Subject to General University Course’s Timetable		

Mode of Study

Taught Course

Research

Assessment for Academic Achievement

Based on GPA/CGPA – Taught Course

Based Research Progress Report – Dissertation

No. of Semester

Min: 3 semesters ; Max: 8 semesters

Core Course

- 4 courses

Elective Course

- 2 courses

University General Course

- 1 course

4 CORE COURSES

Choose all

CODE	COURSE NAME
MBSC 1253	IT Planning and Management
MBSC 1213	Systems Development Applications
MBSC 2558	Trends in Information Technology Applications
MBSC 1283	Research Methodology in IT Management

2 ELECTIVE COURSES

Choose 2

CODE	COURSE NAME
MBSC 1263	IT Project Management
MBSC 2573	IT for Organizational Transformation
MBSC 2593	Information and Knowledge Management
MBSC 2623	Enterprise Information Systems

1 UNIVERSITY GENERAL COURSE

Choose 1

<https://sps.utm.my/universitys-general-courses/>

Dissertation

- 24 credits
- Compulsory to all student
- To provide a basis for students to demonstrate their practical skills in analyzing and proposing solution to a concrete problem related to ICT and IT management areas

Compulsory

CODE	COURSE NAME
MBSC XX80	Dissertation

1. Achieve a total of 45 credit hours with minimum CGPA of 3.0

2. Complete 21 credit

- Core Subjects (12 credits)
- Elective Subjects (6 credits)
- University Common Electives (3 credits)

3. Complete 24 credit Dissertation

- Submitted dissertation report
- Defended dissertation work orally

MASTER OF INFORMATION TECHNOLOGY

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INFORMATION TECHNOLOGY MANAGEMENT