FOUNDATION IN INFORMATION TECHNOLOGY

[N/0611/3/0018] 06/29 [MQA/PA17406]

DURATION	INTAKE	MEDIUM OF INSTRUCTION
1 year (3 semesters)	**April / August / December**	**English**

ABOUT THE PROGRAMME

With the growing adoption of digitalisation and automation, the demand for skilled workers in the area of information technology is set to increase over time. Nurturing a pool of young talent equipped with suitable knowledge and skills as well as creativity is the cornerstone for meeting the future manpower needs in the information technology sector.

We at Xiamen University Malaysia believe that youths can be steered towards embracing information technology as their future profession if they are given proper guidance and training. To that end, we have tailor-made a pre-university level programme, targeted at secondary school leavers irrespective of their educational streams who set their sights on pursuing an undergraduate qualification in the field of information technology.

HIGHLIGHTS OF THE XMUM FOUNDATION IN INFORMATION TECHNOLOGY PROGRAMME

- Recognition as an entry qualification for undergraduate studies at XMUM

- Lessons conducted by well-qualified and experienced academic staff

- Opportunities to interact and network with students from diverse nationalities and cultural backgrounds

- Access to world-class learning and teaching facilities and infrastructure

ENTRY REQUIREMENTS

A pass in **SPM/SPMV** with at least a credit in 5 subjects including **Mathematics** and **English**; or

A pass in **O-Level** with at least a credit in 5 subjects including **Mathematics** and **English**; or

A pass in **UEC** with at least a Grade B6 in 3 subjects including **Mathematics** and **English**; or

Other relevant qualifications recognised by the Malaysian Government.

ACADEMIC PATHWAYS

SPM / SPMV / O-LEVEL / UEC

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FOUNDATION IN INFORMATION TECHNOLOGY (FiIT) (1 YEAR)

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Bachelor of Engineering in Artificial Intelligence (Honours) (4 Years)

Bachelor of Engineering in Software Engineering (Honours) (4 Years)

Bachelor of Engineering in Digital Media Technology (Honours) (4 Years)

Bachelor of Engineering in Computer Science and Technology (Honours) (4 Years)

Bachelor of Engineering in Cyber Security (Honours) (4 Years)

Bachelor of Engineering in Data Science (Honours) (4 Years)

PROGRAMME STRUCTURE

Foundation in Information Technology

Compulsory Courses

Introduction to Academic English

Computing and Digital Skills

Effective Presentations

Academic Reading and Writing

Basics of Critical Thinking

Core Courses

Ethics and Social Responsibility

Fundamentals of Computing

Basics of Mathematics

Introduction to Discrete Mathematics

Fundamentals of Computer Programming

Principles of Information Systems

Introduction to E-Commerce

Introduction to Database Management Systems

Information Technology Mini Project

The courses listed above are subject to change.

December 2024