



# FOUNDATION IN SCIENCE

KPT/JPS [N/010/3/0391] 12/20 [MQA/FA8153]

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

Science and technology are at the forefront of driving the progress and development as well as the competitiveness of a country. Appropriately and adequately trained manpower in the fields of science and technology is required to implement nation-building and economic development projects in addition to spearheading research and development activities that may lead to technological innovation. To meet the growing demand for skilled workforce in the areas of science and technology, the young generation must take up the mantle of becoming the torchbearer for the acquisition of knowledge and skills in those fields.

At Xiamen University Malaysia Campus (XMUM), we are committed to attracting young people to science and technology by offering them an alternative route to undergraduate studies via a pre-university study programme in general science. The XMUM Foundation in Science programme is designed to cater to the special interests and academic inclinations of students particularly in the fields of marine science, traditional Chinese medicine, energy science, and information and communication technology. Upon the successful completion of the foundation programme, students will progress to the designated undergraduate programmes at XMUM.

## HIGHLIGHTS OF THE XMUM FOUNDATION IN SCIENCE 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

### Academic track: **Biological Science**

A pass in **SPM/SPMV** with at least a credit or Grade C in 5 subjects including Mathematics and 2 science subjects, and a pass in Bahasa Melayu and English or other equivalent qualifications; or

A pass in **O-Level** with at least a credit or Grade C in 5 subjects including Mathematics and 2 science subjects, and a pass in English or other equivalent qualifications; or

A pass in **UEC** with at least a Grade B in Mathematics and 2 science subjects, and a pass in Bahasa Melayu and English or other equivalent qualifications.

### Academic track: **Physical Science**

A pass in **SPM/SPMV** with at least a credit or Grade C in 5 subjects including Mathematics, Additional Mathematics and 1 physical science subject, and a pass in Bahasa Melayu and English or other equivalent qualifications; or

A pass in **O-Level** with at least a credit or Grade C in 5 subjects including Mathematics, Additional Mathematics and 1 physical science subject, and a pass in English or other equivalent qualifications; or

A pass in **UEC** with at least a Grade B in Mathematics, Advanced Mathematics and 1 physical science subject, and a pass in Bahasa Melayu and English or other equivalent qualifications.

**Note: Physical science subjects are Chemistry and Physics**

## ACADEMIC PATHWAYS

SPM / SPMV / O-LEVEL / UEC

### FOUNDATION IN SCIENCE AT XMUM (1 YEAR)

ACADEMIC TRACK:  
**Biological Science**

ACADEMIC TRACK:  
**Physical Science**

### UNDERGRADUATE PROGRAMMES OFFERED BY XMUM

(4 years) Bachelor of Science in Marine Biotechnology	(4 years) Bachelor of Engineering in Computer Science and Technology
(5 years) Bachelor of Medicine in Traditional Chinese Medicine	(4 years) Bachelor of Engineering in Software Engineering
	(4 years) Bachelor of Engineering in Digital Media Technology
	(4 years) Bachelor of Engineering in New Energy Science and Engineering
	(4 years) Bachelor of Chemical Engineering with Honours
	(4 years) Bachelor of Engineering in Electrical and Electronics Engineering
	(3 years) Bachelor of Science in Mathematics and Applied Mathematics

## PROGRAMME STRUCTURE

<b>Biological Science</b>	<b>Physical Science</b>
<b>Compulsory Courses</b>	<b>Compulsory Courses</b>
English for Academic Purposes I	English for Academic Purposes I
English for Academic Purposes II	English for Academic Purposes II
Presentation Skills	Presentation Skills
Critical and Analytical Thinking Skills	Critical and Analytical Thinking Skills
<b>Core Courses</b>	<b>Core Courses</b>
Ethics and Science	Ethics and Science
Science Communication	Science Communication
Mathematics	Mathematics
Statistics	Statistics
Biology I	Chemistry I
Biology II	Chemistry II
Chemistry I	Physics I
Chemistry II	Physics II
Physics I	Computer Science
Physics II	Advanced Mathematics

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The information in this brochure is correct at the time of publication. Xiamen University Malaysia (XMUM) reserves the right to change the information in line with updates from time to time. Please check the website (www.xmu.edu.my) for latest information.

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