



MASTER OF SCIENCE IN MARINE BIOTECHNOLOGY

[R/0512/7/0011] 03/30 [MQA/FA11892]

DURATION OF STUDY

Full-time: Minimum 2 years

INTAKE

February/April/September

MEDIUM OF INSTRUCTION

English

ANNUAL FEE

RM 22,000 (Local) RM 27,000* (International)

*Fees subject to 6% Sales & Service Tax (SST).

ABOUT THE PROGRAMME

Xiamen University (XMU) started marine studies 100 years ago and is recognised as the cradle of China's marine studies. Its Department of Oceanography, established in 1946, is the first of its kind in China, while its College of Ocean and Earth Sciences has developed into one of China's best marine research institutions with a state key discipline – marine science. It has a faculty that includes two academicians of the Chinese Academy of Sciences and a number of experts involved in "Thousand Talents Plan", China's Recruitment Programme of Global Experts. The college boasts excellent research platforms such as the State Key Laboratory of Marine Environmental Science, State-Province Joint Engineering Laboratory of Marine Bioproducts and Technology, outstanding educational centres such as the National Experimental Centre for Education, as well as an advanced general-purpose research vessel equipped with state-of-the-art scientific instruments, allowing interdisciplinary oceanographic cruises in international waters.

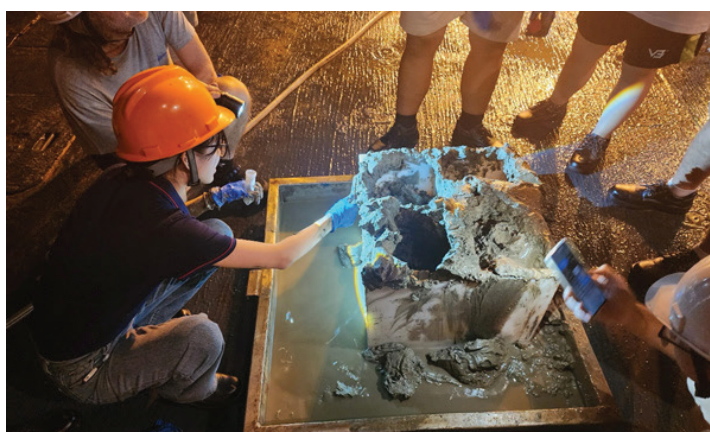
The China-ASEAN College of Marine Sciences (CAMS), based in Xiamen University Malaysia (XMUM), receives strong support from XMU and the China-ASEAN Maritime Cooperation Fund, for teaching and research. The Master of Science in Marine Biotechnology programme is hosted at CAMS, and aims to train future professionals who are able to facilitate the development of marine biotechnology in the ASEAN region and contribute to the interactions related to marine science among China, the ASEAN countries, and the whole international community. Kindly refer to the CAMS website (<https://www.xmu.edu.my/CAMS/list.htm>) for the latest information.

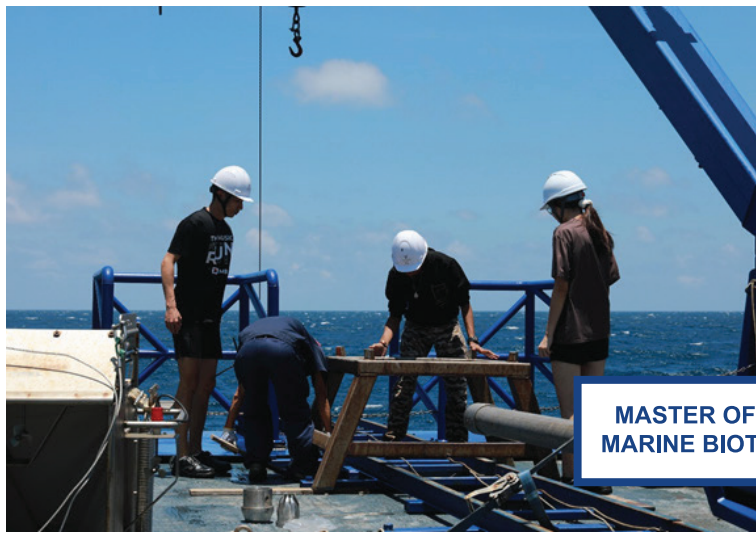
PROGRAMME HIGHLIGHTS

- Excellent educational and research resources from one of the most highly-respected and established institutions in China for marine studies.
- Excellent facilities for teaching and research in marine science and biotechnology, funded by the Ministry of Foreign Affairs of China.
- Opportunities for collaboration and joint supervision with the faculty in XMU.
- Exposure to world-class research in marine biotechnology through working with scientists and academics from Malaysia, China, and other international organisations collaborating with the China-ASEAN College of Marine Sciences.

CAREER OPPORTUNITIES

- Professional roles in the fields of marine biology and biotechnology, aquaculture, life sciences, natural product and pharmaceutical sciences, etc.
- Professional roles in the fields of natural resource management, environmental consultation, etc.
- Researcher or academic roles in the fields of education and research.





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ENTRY REQUIREMENTS **For other equivalent qualifications, please consult our programme counsellor*

- A bachelor's degree (Level 6, MQF) in Marine Biotechnology or Marine Science or Biotechnology or any other relevant field with minimum Cumulative Grade Point Average (CGPA) of 2.75 or equivalent, as accepted by the Senate; or
- A bachelor's degree (Level 6, MQF) in Marine Biotechnology or Marine Science or Biotechnology or any other relevant field with minimum CGPA of 2.50 and not meeting CGPA of 2.75, can be accepted subject to internal assessment; or
- A bachelor's degree (Level 6, MQF) in Marine Biotechnology or Marine Science or Biotechnology or any other relevant field with minimum CGPA of 2.00 and not meeting CGPA of 2.50, can be accepted subject to a minimum of 5 years working experience in any relevant field and internal assessment.

LIST OF COURSES OFFERED

YEAR 1

Compulsory

- Research Topics in Marine Biotechnology
- Research Methodology
- Laboratory Management
- Professional Report Writing and Scientific Communication

Specialisation Electives (To choose 1)

- Advanced Statistics for Research
- Theory and Technology of Genetic Breeding in Marine Organisms
- Immunology and its Application in Marine Animals

YEAR 2

Research (Compulsory)

- Master Research and Seminar

Additional Requirement*

- Chinese 1
- Selected Topics on China

*No additional tuition fees imposed.

Note:

- Students who obtained a Bachelor's or Master's degree in China can be exempted from Selected Topic on China.
- Students with a credit for Chinese course in previous result slips (UPSR/SPM/O-Level/UEC/A-Level/Foundation/Matriculation/Diploma/HSK etc.) can be exempted from Chinese 1.

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