



XIAMEN UNIVERSITY MALAYSIA

廈門大學馬來西亞分校

MASTER OF SCIENCE IN MARINE BIOTECHNOLOGY

PROGRAMME OVERVIEW

Programme Aims

The aim is to produce graduate with positive attitudes towards society, knowledgeable, skilled and competent to become professional in the area of marine biotechnology.

Programme Educational Objectives (PEO)

The PEOs are to produce graduates who:-

PEO1	Graduates who have enhanced knowledge of and transferable skills in marine biotechnology who are able to contribute to the growth of relevant industries and academic excellence.
PEO2	Graduates who demonstrate leadership qualities and teamwork with effective communication and interpersonal skills to engage with professionals and the community at large on the application of marine biotechnology.
PEO3	Graduates who practice professionalism as well as good biosafety measures, sound ethical conduct and social responsibility as well as pursue lifelong learning in addressing challenges and developments of marine biotechnology and their related fields.
PEO4	Graduates who possess innovative mind-set, critical thinking and problem-solving skills that are relevant in advancing scientific progress and capitalising on opportunities within the field of marine biotechnology at the local, regional and global level.



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Programme Learning Outcomes (PLO)

At the end of the programme, graduates will be able to:

PLO1	Knowledge and Understanding	Demonstrate advanced knowledge and understanding of concepts and the dynamic global perspectives in marine biotechnology.
PLO2	Cognitive Skills	Analyse critically and integrate independently current information from relevant sources for incorporation into marine biotechnology research and industry.
PLO3	Practical Skills	Combine theoretical knowledge and practical skills to independently conduct standard and specialised research in marine biotechnology to generate reliable valid data.
PLO4	Interpersonal Skills	Collaborate with different people in learning and working communities as well as other groups and networks in an ethical and professional manner.
PLO5	Communication Skills	Communicate effectively, both orally and in writing with the professional community and society in general.
PLO6	Digital Skills	Generate broad range of information, media and technology applications to compute, analyse, interpret and present data from research findings.
PLO7	Numeracy Skills	Analyse and combine numerical, graphical and visual data for the field of marine science and biotechnology.
PLO8	Leadership, Autonomy and Responsibility	Demonstrate autonomy, independence, leadership and interpersonal skills with substantial responsibility in planning, resource management and problem solving within a team on scholastic issues and activities of marine biotechnology.
PLO9	Personal Skills	Engage in and practise, independently, the concept of lifelong learning for further personal and career development.
PLO10	Entrepreneurial Skills	Initiate or lead entrepreneurial ventures or perform managerial roles in projects to address challenges and concerns related to marine science and biotechnology.
PLO11	Ethics and Professionalism	Demonstrate understanding, awareness and adherence to biosafety, ethical, professionalism, legal, humanities and social issues related to marine biotechnology.