



XIAMEN UNIVERSITY MALAYSIA

廈門大學馬來西亞分校

BACHELOR OF SCIENCE IN MARINE BIOTECHNOLOGY (HONOURS)

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	Have comprehensive understanding and practical skills of Marine Biotechnology and their application
PEO2	Possess innovative thinking, analytical skills and problem solving abilities
PEO3	Have professionalism & social responsibility in the practice of marine science and biotechnology field
PEO4	Display leaderships and assume technical or managerial positions of greater responsibility in multicultural life science working environment
PEO5	Are aware of continued life-long learning through professional practice and further graduate education



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Programme Learning Outcomes (PLO)

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

PLO1	Knowledge and Understanding	Demonstrate comprehensive understanding of marine science and biotechnology
PLO2	Cognitive Skills	Analyse, synthesise and integrate knowledge and information to provide solution to address challenges and concerns in marine science and biotechnology
PLO3	Practical Skills	Demonstrate understanding of concepts, functionality and operation of basic marine science and biotechnology equipment with guidance and apply theoretical knowledge and practical skill to conduct guided research to generate reliable valid data and reports
PLO4	Interpersonal Skills	Work together with different people in diverse communities and transdisciplinary professional community locally and internationally
PLO5	Communication Skills	Communicate effectively, both orally and in writing with professional community and society at general
PLO6	Digital Skills	Use digital skills to analyse, interpret and present data
PLO7	Numeracy Skills	Use and combine numerical, graphical and visual data for further study or work in the field of marine science and biotechnology
PLO8	Leadership, Autonomy and Responsibility	Demonstrate problem solving skill individually or working collaboratively as a group member or a leader in a team
PLO9	Personal Skills	Demonstrate self-directed lifelong learning with flexibility and adaptability for further development in professional pathways
PLO10	Entrepreneurial Skills	Demonstrate awareness, adaptability and creativity for further development of business opportunities and entrepreneurship
PLO11	Ethics and Professionalism	Demonstrate an understanding and awareness of biosafety, ethical, legal, commercial and social issues related to marine science and biotechnology field and execute biohazard and occupational safety procedures