



# XIAMEN UNIVERSITY MALAYSIA

## 廈門大學馬來西亞分校

### BACHELOR OF SCIENCE IN MARINE ENVIRONMENTAL CHEMISTRY (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:-

<b>PEO1</b>	Graduates who are knowledgeable and technically competent in solving real and complex problems using appropriate digital and numerical applications, leading to success in their careers or professional practice in marine and environmental science related fields.
<b>PEO2</b>	Graduates who demonstrate ethical and personal leadership, practice effective communication, engage in decision-making using technological advancements, and are committed to sustainable development for the benefit of society and the environment.
<b>PEO3</b>	Graduates will pursue lifelong learning and interdisciplinary knowledge relevant to their careers, demonstrating a positive attitude, entrepreneurial mindset, and sustainable practices to enhance their technical competencies and professional growth in marine and environmental science related fields



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### Programme Learning Outcomes (PLO)

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

<b>PLO1</b>	<b>Knowledge and Understanding</b>	Demonstrate broad knowledge and fundamental understanding of marine and environmental science.
<b>PLO2</b>	<b>Cognitive Skills</b>	Integrate knowledge and concepts to address challenges in the field of marine and environmental science.
<b>PLO3</b>	<b>Practical Skills</b>	Apply practical and theoretical knowledge of laboratory based techniques in the field of marine and environmental science.
<b>PLO4</b>	<b>Interpersonal Skills</b>	Collaborate effectively with different groups of people in the diverse communities.
<b>PLO5</b>	<b>Communication Skills</b>	Communicate effectively in both oral and writing with different groups in the society.
<b>PLO6</b>	<b>Digital Skills</b>	Apply appropriate digital skills to analyse, interpret and present data in solving real-world issues related to marine and environmental science.
<b>PLO7</b>	<b>Numeracy Skills</b>	Integrate numerical, graphical and visual data for further assessments in the field of marine and environmental science.
<b>PLO8</b>	<b>Leadership, Autonomy and Responsibility</b>	Demonstrate leadership, mutual respect and the ability to work collaboratively within diverse teams.
<b>PLO9</b>	<b>Personal Skills</b>	Perform self-directed lifelong learning to advance professional development in marine and environmental science while demonstrating flexibility and adaptability to industry changes.
<b>PLO10</b>	<b>Entrepreneurial Skills</b>	Develop entrepreneurial awareness, creativity and adaptability to explore business opportunities in the field of marine and environmental science.
<b>PLO11</b>	<b>Ethics and Professionalism</b>	Demonstrate ethical, legal and professional awareness in the field of marine and environmental science.