

2019 Bachelor of Marine Science

The Bachelor of Marine Science is an interdisciplinary degree spanning biological, geological and environmental sciences. It provides the essential knowledge, key work skills and fieldwork experience needed to monitor and study the use of marine resources, to solve problems specific to the marine realm and conduct marine research. The degree seeks to unite the patterns of biological diversity in the marine ecosystem through the study of the organism interactions with the environment and to place these into perspective against the response to geological and climatic changes at various timescales. In acquiring these principles and concepts, we aim to transfer an understanding of modern, and future responsible use, of ocean habitats and resources. The degree also provides students with relevant skill sets and thinking specific to the marine environment; proficiencies that are transferable to other scientific and industry based employers. For students looking to extend their qualifications, the degree is an excellent basis for entry into the Master of Marine Science and Management, offered in collaboration with the Sydney Institute of Marine Science (SIMS), or as an ideal starting point for a research career developed through the Master of Research at Macquarie University. The key features of the BMarSc degree are its unique framework of marine biology and geology units and its flexibility in allowing students to develop their interest in one of those disciplines through the later stages of the degree. Field experiences and laboratory work is deemed essential for relevant marine skill development across both disciplines.



The table below is a suggested first session for students beginning in Session 2, 2019. Please make your selection of units after reviewing the requirements of your award in the 2019 Handbook:

www.handbook.mq.edu.au/2019/DegreesDiplomas/Degree/Bachelor+of+Marine+Science

Suggested First Session

Session 2, 2019

Unit Code	Unit Name
ENV118 or GEOS125 or BIOL115	Environmental Management for a changing world Earth Dynamics Genes to Organisms
STAT170	Introductory Statistics
GEOS126	Introduction to Oceanography
Elective	Choose an elective unit

- You must also meet the general requirements for the degree for which you will qualify.
- It may be possible to satisfy the requirements of your degree by taking a different selection of units in your first session from those suggested above.

FIND OUT MORE
CONTACT: STUDENT CONNECT
LEVEL 2, MUSE C7A PHONE: 9850 6410
Macquarie University NSW 2109 Australia
Handbook.mq.edu.au

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- A solid grounding in Chemistry, Mathematics and Physics is recommended. Students without HSC Chemistry can take CBMS107 in session 1, while students with HSC Chemistry (band 5 or above) can take CBMS108 in Session 2. A variety of first year Mathematics units are available [MATH111, MATH130, MATH135], depending on previous study. Other popular electives include computing [COMP115, ISYS114] and Physics [PHYS149]. Outside the Faculty of Science and Engineering, ACSC100 is a unit designed to help science students with writing skills.
- Bridging courses in mathematics are available and recommended for those without recent HSC study: www.tinyurl.com/bridgingmq.
- Consider what units you will want to study in second and third year. Prerequisite requirements for those units must be completed prior to enrolment in the higher-level unit. In choosing your first and second year electives it is strongly recommended that you work backwards from units you want to take in your 3rd year. Every 300 level unit will have pre-requisites at 200 level which in turn will have pre-requisites at 100 level. While required units will go a long way towards covering the pre-requisites for your likely choices this is not always the case. For example you must take BIOL115 to enrol in 200 or 300 level genetics. GEOS125 and ENV118 are also pre-requisites for some geoscience or environmental science pathways.
- You must select a Professional and Community Engagement (PACE) unit as part of the elective component of your degree. It is important to plan ahead for this requirement and allocate elective space for your chosen PACE unit. A list of eligible units is available at www.handbook.mq.edu.au/2019/Units/PACE.
- You can receive specific program advice from the faculty at any stage in your degree by lodging a “Program Advice” enquiry via <http://ask.mq.edu.au>.



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