

2019 MAJOR – Biology

(Qualifying Major for Bachelor of Science)

The biology major offers a comprehensive education in the full range of biological disciplines, spanning molecules to ecosystems and the biosphere, and terrestrial, marine and freshwater biomes. Throughout the major, we link structure with function and processes that influence the evolution and ecology of organisms. We consider taxa ranging from microbes through to fungi, plants and animals. Our philosophy is of learning by doing, with a major focus on the development of practical and problem-solving skills. Our units take advantage of the university's bushland setting, many offering opportunities for field experience. We have a particular focus on Australia's unique biodiversity and the processes that have given rise to it. Key features of the major: significant research content, most units include practical work in state-of-the-art laboratories, some include fieldwork, and you can study biology by distance education, although attendance on campus for brief periods will be required.



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+Science

Suggested First Session

Session 2, 2019

Unit Code	Unit Name
ACSC100 or STAT170	Academic Communication in Science Introductory Statistics
BIOL115	Genes to Organisms
Elective	GEOS or ENV unit at 100 level
Elective	CBMS or MATH or PHYS unit at 100 level

- 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.
- A solid grounding in Chemistry, Mathematics and Physics is recommended for Biology. 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 the second year of the Biology major, students must complete two of BIOL206, BIOL227, BIOL228, BIOL229, BIOL235 and BIOL262. It is important to check the prerequisites for these units carefully, as they require different 100 level BIOL units, and both BIOL206 and BIOL235 require a STAT unit. BIOL235 is strongly recommended for students considering going on to MRes or a research career.

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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- 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.
- For a double major complete required units for both majors where possible in the first year. If considering a double major consult the criteria found at www.handbook.mq.edu.au/2019/Majors.
- 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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