



2017 MAJOR – Biology

(Qualifying Major for Bachelor of Science with the degree of Bachelor of Laws)

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, 2017. Please make your selection of units after reviewing the requirements of your award in the 2017 Handbook:

www.handbook.mq.edu.au/2017/DegreesDiplomas/Degree/Bachelor+of+Science+with+the+degree+of+Bachelor+of+Laws

Suggested First Session

Session 2, 2017


Unit Code	Unit Name
BIOL115	Genes to Organisms
LAW115	Foundations of Law
CBMS107 or MATH130 or STAT170	Foundations of Chemical and Biomolecular Sciences Mathematics 1E Introductory Statistics
Elective	Choose a People or Planet unit

- You must also meet the general requirements for the degree to 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 year from those suggested above.
- A solid grounding in Chemistry, Mathematics and Physics is recommended for Biology. Students without HSC Chemistry (Band 5 or above) should take CBMS107. A variety of first year Mathematics units are available [MATH111, MATH130, MATH135], depending on previous study. Statistics [STAT170 or STAT171] is a prerequisite for some second year Biology units. Other popular electives for Biology students include environmental science [ENV118, ENVS117, GEOP111], geology [GEOS112, GEOS126], computing [COMP115, ISYS114] and other Biology units [BIOL108, BIOL122]. Outside the Faculty of Science and Engineering, ACSC100 is a unit designed to help science students with writing skills.
- Please note that you should enrol in LAW109, LAWS104 and LAWS108 in 2018.

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

Disclaimer: This publication is correct at the time of creation, April 2017. Macquarie University reserves the right to change program details at any time and change its fees without notice.
CRICOS Provider 00002J

- 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 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.
- 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/2017/Majors.
- All students must complete one People unit and one Planet unit. Criteria and available units can be viewed at www.handbook.mq.edu.au/2017/Units/Planet and www.handbook.mq.edu.au/2017/Units/People.
- Although Mathematics, Chemistry and Physics are not required in the Biology major, some background knowledge is helpful. Bridging courses in mathematics are available and recommended for those without recent HSC study: <http://web.science.mq.edu.au/bridging-courses>.
- 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>.



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

Disclaimer: This publication is correct at the time of creation, April 2017. Macquarie University reserves the right to change program details at any time and change its fees without notice.
CRICOS Provider 00002J