Overview

Biology is the study of life and living organisms. The School of Biological, Earth and Environmental Sciences offers expertise in the fields of botany, ecology, marine biology and zoology. Botany explores aspects of both green and non-green plants and their relation to the environment. An understanding of ecology is necessary for conservation. Marine biology is about life in the ocean, estuaries and other coastal environments. Zoology looks at the structure, behaviour, habits, genetics, distribution, evolution and classification of animals.
Faculty
Faculty of Science

School
School of Biological, Earth and Environmental Sciences

Study Level
Undergraduate

Minimum Units of Credit
78

Specialisation Type
Major
Available in Program(s)

Program(s) in which this major is available

Bachelor of Science and Business - BSc&Bus
3925 Science and Business
Faculty: Faculty of Science
Campus: Kensington
Units of Credit: 144
Typical Duration: 3 Years

Bachelor of Advanced Science (Honours) - BAdvSci(Hons)
3962 Advanced Science (Honours)
Faculty: Faculty of Science
Campus: Kensington
Units of Credit: 192
Typical Duration: 4 Years

Bachelor of Environmental Management - BEnvMgmt
3965 Environmental Management
Faculty: Faculty of Science
Campus: Kensington
Units of Credit: 144
Typical Duration: 3 Years
**Specialisation Structure**

Students must complete 78 UOC.

**Level 1 Core Courses**

Students must take 24 UOC of the following courses.

- **BABS1201 | 6 UOC**
  Molecules, Cells and Genes

- **BIOS1101 | 6 UOC**
  Evolutionary and Functional Biology

- **BIOS1301 | 6 UOC**
  Ecology, Sustainability and Environmental Science

- **MATH1041 | 6 UOC**
  Statistics for Life and Social Sciences

**Level 2 Core Courses**

Students must take 12 UOC of the following courses.

- **BEES2041 | 6 UOC**
  Data Analysis for Life and Earth Sciences

  One of the following:
  - **BABS2204 | 6 UOC**
    Genetics
  - **BABS2264 | 6 UOC**
    Genetics (Advanced Level)

**Level 2 Prescribed Electives**

Students must take at least 12 UOC of the following courses.

- **BIOS2011 | 6 UOC**
Evolutionary and Physiological Ecology

BIOS2031  |  6 UOC  
Biology of Invertebrates

BIOS2051  |  6 UOC  
Flowering Plants

BIOS2061  |  6 UOC  
Vertebrate Zoology

**Level 3 Prescribed Electives**

Students must take at least 30 UOC of the following courses.

BIOS3011  |  6 UOC  
Animal Behaviour

BIOS3061  |  6 UOC  
Plant Ecology

BIOS3081  |  6 UOC  
Ocean to Estuarine Ecosystems

BIOS3161  |  6 UOC  
Life in Arid Lands

BIOS3171  |  6 UOC  
Evolution

BIOS3221  |  6 UOC  
Assembling the Tree of Life

BIOS3601  |  6 UOC  
Advanced Field Biology
Recommended Courses

The following are recommended electives (These are not required but are recommended as good complementary courses for this major):

Level 1:
- CHEM1011 Chemistry A (6 UOC) or CHEM1031 Higher Chemistry A (6 UOC)

Level 2:
- GEOS2021 Human Origins and Prehistory (6 UOC)
- GEOS2071 Life through Time (6 UOC)
- BIOS2500 Evolution and The Modern World (6 UOC)

Level 3:
- BIOS3091 Marine and Aquatic Ecology (6 UOC)

Enrolment Disclaimer

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites for individual courses but not that a course will count towards your program requirements.
Additional Information

Honours

For information about Honours in Biology see the Biology Honours plan or contact the School of Biological, Earth and Environmental Sciences (BEES).
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179