

Program Code

BSC

Program Minimum Units

72

Standard Duration

3 Years

Program Faculty

Faculty of Sciences

AQF Level

07

Academic Year

2022

These Program Rules should be read in conjunction with the University's policies (<http://www.adelaide.edu.au/policies>).

Overview

This program provides students with the opportunity to specialise in Wildlife Conservation Biology while also acquiring a broad education in the disciplines of ecology and evolutionary biology. In the first and second year students enrol in courses in biology, ecology, evolutionary biology, practical statistics, botany, zoology, and laboratory and field identification of animal and plant taxa, and also have a choice of elective courses in areas of wildlife management, genetics, soil and water, spatial information systems and other science courses. In third year, students will develop practical skills in systematic methods of collection, analysis and reporting of field and laboratory data and basic experimental design for environmental monitoring, biodiversity assessment and landscape restoration. Practicals and fieldwork are a key feature of the program. The Bachelor of Science (Wildlife Conservation Biology) is an AQF Level 7 program with a standard full-time duration of 3 years.

Conditions

Interruption of program: Students must apply for permission from the Executive Dean or delegate before taking a Leave of Absence. Any extension of the leave without approval will result in the loss of place in the program but an application may be made to be re-admitted to the program subject to the admission procedures in place at the time.

Academic Program Rules for Bachelor of Science (Wildlife Conservation Biology) (BSc(WCB))

There shall be a Bachelor of Science (Wildlife Conservation Biology) (BSc(WCB)).

Qualification Requirements**Academic Program**

To qualify for the degree of Bachelor of Science (Wildlife Conservation Biology), the student must complete satisfactorily a program of study consisting of the following requirements with a combined total of not less than 72

units, comprising:

1. Core courses to the value of 48 units
2. Elective courses to the value of 24 units, which may include other undergraduate courses offered by the University that are not offered by the Faculty of Sciences up to the value of 9 units in total at levels I and/or II with no more than 6 units at level I.
3. Level I courses not exceeding 30 units
4. Level III Science courses to the value of at least 24 units
5. A major in Conservation Ecology
6. Broadening experience.

Core Courses

To satisfy the requirements for Core Courses students must complete courses to the value of 48 units.

Level I

All of the following courses must be completed:

- ABORIG 1001 [Indigenous People, Country & Protocols](#) (3 units)
BIOLOGY 1101 [Biology I: Molecules, Genes and Cells](#) (3 units)
BIOLOGY 1202 [Biology I: Organisms](#) (3 units)
ENV BIOL 1002 [Ecological Issues I](#) (3 units)
SCIENCE 1410 [Science or Fiction \(Marine and Wildlife\) I](#) (3 units)
STATS 1004 [Statistical Practice I \(Life Sciences\)](#) (3 units)

Level II

All of the following courses must be completed:

- ENV BIOL 2500 [Botany II](#) (3 units)
ENV BIOL 2501 [Evolutionary Biology II](#) (3 units)
ENV BIOL 2502 [Ecology II](#) (3 units)
ENV BIOL 2503 [Zoology II](#) (3 units)
ENV BIOL 2515 [Plant Identification \(Wildlife Conservation Biology\) II](#) (3 units)
ENV BIOL 2520 [Animal Identification \(Wildlife Conservation\) II](#) (3 units)

Level III - For a major in Conservation Ecology

All of the following courses must be completed:

- ENV BIOL 3121 [Concepts in Ecology III](#) (3 units)
ENV BIOL 3540 [Research Methods in Wildlife Conservation III](#) (3 units)
ENV BIOL 3575 [Advanced Applications in Conservation Biology III](#) (3 units)
ENV BIOL 3580 [Conservation Biology III](#) (3 units)

Elective Courses

Level I

- CHEM 1100 [Chemistry IA](#) (3 units)
CHEM 1101 [Foundations of Chemistry IA](#) (3 units)
CHEM 1200 [Chemistry IB](#) (3 units)
CHEM 1201 [Foundations of Chemistry IB](#) (3 units)
GEOLOGY 1100 [Planet Earth](#) (3 units)
GEOLOGY 1103 [Building a Habitable Planet](#) (3 units)

or

Elective courses from the degree of Bachelor of Science or other undergraduate courses offered by the University that are available to the student.

Level II

GENETICS 2510 [Genetics IIA: Foundation of Genetics](#) (3 units)
GENETICS 2520 [Genetics IIB: Function and Diversity of Genomes](#) (3 units)
SOIL&WAT 2500WT [Soil and Water Resources II](#) (3 units)
SPATIAL 2501 Spatial Information and Land Evaluation II (3 units)

or

Elective courses from the degree of Bachelor of Science or other undergraduate courses offered by the University that are available to the student.

Level III

Courses to the value of 12 units from the following:

ENV BIOL 3004 [Freshwater Ecology III](#) (3 units)
GENETICS 3111 [Genes, Genomes and Molecular Evolution III](#) (6 units)
SPATIAL 3007WT [GIS for Environmental Management III](#) (3 units)
SPATIAL 3010 [Earth Observation III](#) (3 units)
SPATIAL 3020WT [GIS for Agriculture & Natural Resource III](#) (3 units)

or

Level III courses from the degree of Bachelor of Science

Broadening electives

The broadening experience requirement can be met by any of the following:

Study abroad or exchange

or

Courses to the value of at least 3 units from the following:

SCIENCE 2550 [International Experience II](#) (3 units)
SCIENCE 2700 [Science Internship II](#) (3 units)
SCIENCE 3200 [Communicating Science III](#) (3 units)
SCIENCE 3500 [Science International Study Tour](#) (3 units)
SCIENCE 3510 [Science International Study Tour B](#) (3 units)
SCIENCE 3520 [Science Experience III](#) (3 units)
SCIENCE 3550 [International Experience III](#) (3 units)
SCIENCE 3700 [Science Internship III](#) (3 units)

or

courses outside the major area of study.

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