

Bachelor of Science (Evolutionary Biology)

These rules should be read in conjunction with Academic Program Rules parts 1, 2, and 3 of the Bachelor of Science.

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

1 Qualification requirements

1.1 To qualify for the degree a candidate shall pass courses, listed in 1.2 below, to the value of 72 units, which satisfy the following requirements:

- a a candidate shall present passes in courses to the value of 24 units at each of Level I, II and III
- b a candidate may substitute an appropriate course chosen from Level II to fulfil the requirements of Level I, or from Level III to fulfil the requirements of Level I or II
- c a candidate shall complete a major in a discipline as set out in 1.2 below.

1.2 Academic program

1.2.1 Level I

Level I courses, which shall include:

i passes in core courses

Semester 1

BIOLOGY 1101 Biology I: Molecules Genes & Cells..... 3

GEOLOGY 1103 Earth Systems 3

Semester 2

BIOLOGY 1202 Biology I: Organisms 3

GEOLOGY 1100 Earth's Interior I 3

ii passes in additional Level I courses to the value of 12 units chosen from:

Semester 1

CHEM 1100 Chemistry IA 3

or

CHEM 1101 Foundations of Chemistry IA 3

MATHS 1011 Mathematics IA* 3

or

MATHS 1013 Mathematics IMA 3

Semester 2

ENV BIOL 1002 Ecological Issues I 3

CHEM 1200 Chemistry IB..... 3

or

CHEM 1201 Foundations of Chemistry IB 3

MATHS 1011 Mathematics IA* 3

or

MATHS 1012 Mathematics IB 3

STATS 1004 Statistical Practice I (Life Sciences)# 3

or

courses selected in consultation with the Program Coordinator and in accordance with Academic Program Rules 4.2, 4.5.1 and 4.5.2 for the degree of Bachelor of Science.

* may be taken in either Semester 1 or 2

#STATS 1004 Statistical Practice I (Life Sciences) may be taken in Semester 1 or 2.

1.2.2 Level II

Level II courses, which shall include:

For a major in Palaeontology

i passes in core courses

Semester 1

ENV BIOL 2500 Botany II.....	3
ENV BIOL 2503 Zoology II.....	3
Semester 2	
ENV BIOL 2501 Evolutionary Biology II	3
ii passes in additional Level II courses to the value of 15 units chosen from:	
Semester 1	
GENETICS 2510 Genetics IIA: Foundations of Genetics.....	3
GEOLOGY 2500 Sedimentary Geology II	3
GEOLOGY 2501 Structural Geology II	3
Semester 2	
ENV BIOL 2502 Ecology II	3
GENETICS 2520 Genetics IIB: Function & Diversity of Genomes	3
GEOLOGY 2503 Landscape Processes and Environments II.....	3
<i>or</i>	
additional Level II or III courses in the disciplines Environmental Biology, Geology selected in consultation with the Program Coordinator and in accordance with Academic Program Rules 4.5.3 for the degree of Bachelor of Science.	

For a major in Systematic & Molecular Evolution

i passes in core courses	
Semester 1	
ENV BIOL 2500 Botany II.....	3
ENV BIOL 2503 Zoology II.....	3
GENETICS 2510 Genetics IIA: Foundations of Genetics.....	3
Semester 2	
ENV BIOL 2501 Evolutionary Biology II	3
GENETICS 2520 Genetics IIB: Function & Diversity of Genomes	3
ii passes in additional Level II courses to the value of 9 units chosen from:	
Semester 1	
GEOLOGY 2500 Sedimentary Geology II	3
Semester 2	
ENV BIOL 2502 Ecology II	3
GEOLOGY 2503 Landscape Processes and Environments II.....	3
<i>or</i>	
additional Level II or III courses in the disciplines Environmental Biology, Geology selected in consultation with the Program Coordinator and in accordance with Academic Program Rules 4.5.3 for the degree of Bachelor of Science.	

1.2.3 Level III

Level III courses, which shall include:

For a major in Palaeontology

i passes in core courses	
Semester 1	
ENV BIOL 3002 Australian Biota: Past, Present & Future III	3
Semester 2	
ENV BIOL 3122 Evolution & Palaeobiology of Animals III	3
ENV BIOL 3123 Issues in Evolutionary Biology III	3
ii passes in additional Level III courses to the value of at least 15 units chosen from:	
Semester 1	
ENV BIOL 3006 Research Methods in Environmental Biology III	3
ENV BIOL 3011 Evolution and Diversity of Insects III.....	3
ENV BIOL 3121 Concepts in Ecology III.....	3

GENETICS 3111 Genes, Genomes & Molecular Evolution III.....	6
Semester 2	
SOIL&WAT 3010 Remote Sensing III.....	3
ENV BIOL 3003 Ecophysiology of Animals III.....	3
ENV BIOL 3008 Conservation & Restoration III.....	3
ENV BIOL 3009 Ecophysiology of Plants III.....	3
ENV BIOL 3010 Marine Ecology III.....	3
GENETICS 3211 Gene Expression & Human Developmental Genetics III.....	6

or

additional Level III courses in the disciplines Environmental Biology, Geology selected in consultation with the Program Coordinator and in accordance with Academic Program Rules 4.5.3 for the degree of Bachelor of Science.

For a major in Systematics & Molecular Evolution

i passes in core courses:

Semester 1

ENV BIOL 3002 Australian Biota: Past, Present & Future III	3
GENETICS 3111 Genes, Genomes & Molecular Evolution III.....	6

Semester 2

ENV BIOL 3122 Evolution & Palaeobiology of Animals III	3
ENV BIOL 3123 Issues in Evolutionary Biology III	3

ii passes in additional Level III courses to the value of 9 units chosen from:

Semester 1

ENV BIOL 3006 Research Methods in Environmental Biology III	3
ENV BIOL 3011 Evolution and Diversity of Insects III.....	3
ENV BIOL 3121 Concepts in Ecology III.....	3

Semester 2

SOIL&WAT 3010 Remote Sensing	3
ENV BIOL 3003 Ecophysiology of Animals III	3
ENV BIOL 3008 Conservation & Restoration III.....	3
ENV BIOL 3009 Ecophysiology of Plants III.....	3
ENV BIOL 3010 Marine Ecology III.....	3
GENETICS 3211 Gene Expression & Human Developmental Genetics III.....	6
GEOLOGY 3504 Basins, Sediments and Regolith III	3

or

additional Level III courses in the disciplines Environmental Biology, Geology selected in consultation with the Program Coordinator and in accordance with Academic Program Rules 4.5.3 for the degree of Bachelor of Science.

1.3 Unacceptable combinations of courses

No candidate will be permitted to count towards an award any course, together with any other course, which, in the opinion of the Faculty, contains a substantial amount of the same material, and no course or portion of a course may be counted twice towards an award.

Note: A list of unacceptable combinations of courses is available from the Faculty of Sciences.

1.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award.

2 Special circumstances

When in the opinion of the Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.