

## Pathway to major in Ecology and Spatial Science

Year 1 / Level I (not more than 30 units)				
S1	~ <a href="#">BIOLOGY 1101</a> Biology I: Molecules, Genes & Cells <b>OR</b> ~ <a href="#">BIOLOGY 1401</a> Concepts in Biology	** <a href="#">Approved Level I Elective</a>	† <a href="#">GEOLOGY 1103</a> Building a Habitable Planet or <a href="#">Approved Level I Elective</a>	<a href="#">SCIENCE 1300 Principles &amp; Practice of Research (Advanced) I</a>
S2	<a href="#">BIOLOGY 1201</a> Biology I: Human Perspectives <b>OR</b> <a href="#">BIOLOGY 1202</a> Biology I: Organisms	** <a href="#">Approved Level I Elective</a>	<a href="#">Approved Level I Elective</a>	<a href="#">Approved Level I Elective</a>
Year 2 / Level II				
S1	<a href="#">ENV BIOL 2503</a> Zoology II	† <a href="#">SPATIAL 2501</a> Spatial Information and Land Evaluation II	<a href="#">Approved Level II Elective</a>	<a href="#">Approved Level II Elective</a>
S2	<a href="#">ENV BIOL 2502</a> Ecology II	<a href="#">Approved Level II Elective</a>	<a href="#">Approved Level II Elective</a>	<a href="#">SCIENCE 2300 Principles &amp; Practice of Research (Adv) II [or Semester 1]</a>
*Global Experience: The Faculty of Sciences recommends students who want to undertake an exchange in an overseas university plan to go in Semester 2 of Level 2 and/or Semester 1 of Level 3.				
Year 3 / Level III (at least 24 units)				
S1	<a href="#">ENV BIOL 3510</a> Research Methods in Ecology III	<a href="#">ENV BIOL 3121</a> Concepts in Ecology III	‡ Level III Core Course or <a href="#">Approved Level III Elective</a>	‡ Level III Core Course or <a href="#">Approved Level III Elective</a>
*Global Experience: The Faculty of Sciences recommends students who want to undertake an exchange in an overseas university plan to go in Semester 2 of Level 2 and/or Semester 1 of Level 3.				
S2	<a href="#">SPATIAL 3007WT</a> GIS for Environmental Management III [Summer School] <b>OR</b> <a href="#">SPATIAL 3020WT</a> GIS for Agriculture & Natural Resource III [Winter School]	† <a href="#">SPATIAL 3010</a> Earth Observation III	‡ Level III Core Course or <a href="#">Approved Level III Elective</a>	<a href="#">SCIENCE 3100 Principles &amp; Practice of Research (Adv) III</a>
Year 4/ Level IV (24 units)				
Courses to the value of 24 units, chosen from the <a href="#">Bachelor of Science (Honours)</a> . A Research Pathway or Professional Pathway must be chosen in a specialisation area.				

ALL COURSES ARE WORTH 3 UNITS UNLESS OTHERWISE SPECIFIED

### Key

Core Course	Elective Course	Course for Major
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Check [Course Planner](#) or with the Sciences Service Hub to ensure you meet the pre-requisites prior to enrolling into these courses.

\*\* Students who successfully complete CHEM 1101 Foundations of Chemistry IA and CHEM 1201 Foundations of Chemistry IB and who wish to continue their study of Chemistry at Level II will be required to undertake an additional course, CHEM 1312 Foundations of Chemistry IS during Summer School before commencing Level II Chemistry studies.

~ Students who were unsuccessful in completing BIOLOGY 1101 Biology I: Molecules, Genes & Cells or BIOLOGY 1401 Concepts in Biology have the opportunity to undertake BIOLOGY 1001 Fundamentals of Biology in Term 4 and Summer School before commencing Level II courses

‡ You must complete **courses to the value of at least 3 units** from these courses in addition to ENV BIOL 3121 Concepts in Ecology III, ENV BIOL 3510 Research Methods in Ecology III, SPATIAL 3010 Earth Observation III, SCIENCE 3100 Principles & Practice of Research (Adv) III & SPATIAL 3007WT GIS for Environmental Management III or SPATIAL 3020WT GIS for Agriculture & Natural Resource III to complete the Major:

- ENV BIOL 3004 Freshwater Ecology III
- ENV BIOL 3010 Marine Ecology III
- ENV BIOL 3580 Conservation Biology III

† SPATIAL 2501 Spatial Information and Land Evaluation II is listed as assumed knowledge for SPATIAL 3010 Earth Observation III.

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### Enrolment Advice – General

- It is your responsibility to ensure you are correctly enrolled. Enrolment into courses outside of the Study Plan and Enrolment Advice listed could affect your eligibility to graduate.
- A total of **72 units** are required to complete Bachelor of Science (Advanced) program.
- No more than 30 units of courses can be completed at Level I.
- At least 24 units of Science courses must be completed at Level III.
- 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.
- There is a limitation on the amount of 'Non-Science' courses that can be presented. **Do not assume that because a course is offered through Sciences, that it automatically counts as 'Science'** (e.g. Animal Science courses). Please refer to your [Program Rules](#).
- Please consult your [Program Coordinator](#) or contact the Sciences Service Hub for advice.

### Complementary Majors

This is an extended major and it is normally not possible to fit in sufficient units at Level III to also qualify for a second major.

### Enrolment Advice – Courses

- Only ONE of BIOLOGY 1201 Biology I: Human Perspectives or BIOLOGY 1202 Biology I: Organisms may be presented towards the Bachelor of Science.
- The following courses cannot be presented towards the Bachelor of Science:
  - ANAT SC 1102 Human Biology IA
  - ANAT SC 1103 Human Biology IB
  - COMP SCI 1003 Internet Computing

### Electives and Broadening

You may complete up to 9 units of 'non-science' elective courses at Level I and/or Level II. Of these courses a maximum of 6 units can be chosen at Level I. Please refer to your Program Rules for electives and all other requirements, including details on how to meet broadening experience <https://calendar.adelaide.edu.au/faculty/sciences>

For information about electives from other Faculties, course restrictions and pre-requisites, search the course planner:

<https://access.adelaide.edu.au/courses/search.asp>

### Global Experience

The University of Adelaide is committed to offering its students the opportunity to study overseas through an International Experience. This experience is available in a wide range of degrees and can include student exchange (for either one or two full semesters), study tours, internships and placements. There are many exciting opportunities in Europe, Asia, the Americas, Africa, and Oceania ranging from a few weeks to a full academic year.

\* The Faculty of Sciences recommends students who want to undertake an exchange in an overseas university plan to go in Semester 2 of Level 2 and/or Semester 1 of Level 3. To find opportunities available in your study area click [Study Overseas](#).

### Further Information and Enrolment Advice

#### Sciences Service Hub

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Email: [faculty.sciences@adelaide.edu.au](mailto:faculty.sciences@adelaide.edu.au)