

Pathway to major in Geophysics

Year 1 / Level I (not more than 30 units)

S1	GEOLOGY 1103 Building a Habitable Planet	MATHS 1013 Mathematics IM	# ^ PHYSICS 1100 Physics IA or # ^ PHYSICS 1101 Physics for the Life and Earth Sciences IA	SCIENCE 1300 <i>Principles & Practice of Research (Advanced) I</i>
S2	^ GEOLOGY 1100 Planet Earth	** Approved Level I Elective	# ^ PHYSICS 1200 Physics IB or # ^ PHYSICS 1201 Physics for the Life and Earth Sciences IB	Approved Level I Elective

Year 2 / Level II

S1	GEOLOGY 2500 Sedimentary Geology II	GEOLOGY 2501 Structural Geology II	Δ SPATIAL 2501 Spatial Information and Land Evaluation II	Approved Level II Elective
S2	GEOLOGY 2502 Igneous and Metamorphic Geology II	GEOLOGY 2505 Geochemistry II	Approved Level II Elective	SCIENCE 2300 <i>Principles & Practice of Research (Adv) II [or Semester 1]</i>
*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	GEOLOGY 3022 Geophysics IIIA: Potential Fields and Geothermics	‡ GEOLOGY 3500 Exploration Methods III	Approved Level III Elective	Approved Level III Elective
*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	GEOLOGY 3023 Geophysics IIIB: Electromagnetics and Seismology	‡ GEOLOGY 3502 Mineral and Energy Resources III	Δ ‡ SPATIAL 3010 Earth Observation III OR SPATIAL 3007WT GIS for Environmental Management III [Summer School]	SCIENCE 3100 <i>Principles & Practice of Research (Adv) III</i>

Year 4/ Level IV (24 units)

Courses to the value of 24 units, chosen from the Bachelor of Science (Honours) . A Research Pathway or Professional Pathway must be chosen in a specialisation area.				
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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 this course.

** 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.

^PHYSICS 1100 & PHYSICS 1200 or PHYSICS 1101 & PHYSICS 1201 and GEOLOGY 1000 are listed as assumed knowledge for GEOLOGY 3022 Geophysics IIIA and GEOLOGY 3023 Geophysics IIIB.

‡ You must complete at least **two** of these courses in addition to GEOLOGY 3022 Geophysics IIIA: Potential Fields & Geothermics, GEOLOGY 3023 Geophysics IIIB: Electromagnetics & Seismology and SCIENCE 3100 Principles & Practice of Research (Adv) III to complete the Major.

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. Please contact the Sciences Service Hub for advice.

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

Enrolment Advice

- 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 **96 units** are required to complete Bachelor of Science (Advanced) (Honours) Direct Entry 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.
- 24 units of courses at level IV must be completed which will include a Research or Professional pathway taken from a specialisation area in the Bachelor of Science (Honours).
- 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](#).
- No level III course may be used to meet the requirements of more than one major. *(For example, if Soil Ecology and Nutrient Cycling is used to qualify for a Soil Science major, it cannot also be used to qualify for an Ecology Major).*
- Please consult your [Program Coordinator](#) or contact the Sciences Service Hub for advice.

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 course cannot be presented towards the Bachelor of Science:
 - 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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