

## Pathway to major in Soil Science

| Year 1 / Level I (not more than 30 units)   |   |   |   |  |
|---|---|---|---|--|
| S1  | † <a href="#">GEOLOGY 1103</a> Earth Systems I  | ‡ <a href="#">BIOLOGY 1101</a> Biology I: Molecules, Genes & Cells  | ** Ω <a href="#">CHEMISTRY 1101</a> Foundations of Chemistry IA or <a href="#">CHEMISTRY 1100</a> Chemistry IA or <a href="#">Approved Level I Elective</a> | <a href="#">SCIENCE 1400</a> Science or Fiction I  |
| S2  | † <a href="#">GEOLOGY 1100</a> Earth's Interior I   | ‡ <a href="#">BIOLOGY 1202</a> Biology I: Organisms   | ** Ω <a href="#">CHEMISTRY 1200</a> Chemistry IB or <a href="#">CHEMISTRY 1201</a> Foundations of Chemistry IB or <a href="#">Approved Level I Elective</a> | <a href="#">Approved Level I Elective</a>  |
| Year 2 / Level II   |   |   |   |  |
| S1  | <a href="#">SOIL&amp;WAT 2500/2500WT</a> Soil and Water Resources II                                      | ‡ <a href="#">PLANT SC 2510WT</a> Foundations in Plant Science II   | † <a href="#">GEOLOGY 2500</a> Sedimentary Geology II or <a href="#">Approved Level II Elective</a>   | <a href="#">Approved Level II Elective</a>   |
| S2  | <a href="#">Approved Level II Elective</a>  | <a href="#">Approved Level II Elective</a>  | <a href="#">Approved Level II Elective</a>  | <a href="#">Approved Level II 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. |   |   |   |  |
| Year 3 / Level III (at least 24 units)  |   |   |   |  |
| S1  | <a href="#">SOIL&amp;WAT 3017WT</a> Soil & Water: Management & Conservation III                           | <a href="#">SOIL&amp;WAT 3016WT</a> Soil Ecology & Nutrient Cycling III                                       | <a href="#">Approved Level III Elective</a>   | §Ω <a href="#">SOIL&amp;WAT 3004WT</a> Environmental Toxicology & Remediation [Winter School] 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="#">GEOLOGY 3505</a> Earth Systems History III or <a href="#">Approved Level III Elective</a> | § ‡ <a href="#">PLANT SC 3505WT</a> Soil & Plant Nutrition III or <a href="#">Approved Level III Elective</a> | <a href="#">Approved Level III Elective</a>   | <a href="#">Approved Level III Elective</a>  |

ALL COURSES ARE WORTH 3 UNITS UNLESS OTHERWISE SPECIFIED

### Key

| Core Course | Elective Course | Course for Major |
|-------------|-----------------|------------------|
|             |                 |                  |

\*\* Students who successfully complete CHEM 1101 and CHEM 1201 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.

† GEOLOGY 2500 Sedimentary Geology II, is listed as a pre-requisite for GEOLOGY 3505WT Earth System History II. GEOLOGY 2500 has assumed knowledge of GEOLOGY 1100 or GEOLOGY 1103.

‡ PLANT SC 2510WT Foundations in Plant Science, is listed as assumed knowledge for PLANT SC 3505WT Soil and Plant Nutrition III. PLANT SC 2510WT requires BIOLOGY 1101 or BIOLOGY 1202 as a prerequisite.

§ You must complete **at least one** of these courses in addition to SOIL&WAT 3017WT & SOIL&WAT 3016WT to complete the major.

### 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 **72 units** are required to complete Bachelor of Science program.
- 24 units will usually be completed for each of Levels I, II and III.
- At least 24 units 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](#). If in doubt consult the Faculty Office for advice.
- 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 contact the Faculty of Sciences Office for advice.

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Ω SOIL & WATER 3004WT Environmental Toxicology & Remediation has the prerequisite of CHEM 1100 or CHEM 1101 and CHEM 1200 or CHEM 1201.

### Complimentary Majors

The following majors are often pursued by students as well as the above major, as a complimentary field:

- Chemistry
- Evolutionary Biology
- Ecology
- Geology
- Geophysics & Applied Geology

### Electives and Broadening

You must complete 9 units of Broadening courses at Level I or Level II. Of these courses:

- A maximum of 6 units of courses can be chosen at Year 1 from other Faculties of the University

You must also complete Elective courses to fulfil the requirements of your Program:

- No courses at Year 3 can be chosen from other Faculties of the University
- Please refer to your Program Rules for electives and all other requirements <http://calendar.adelaide.edu.au/>
- For Faculty of Sciences electives, see our website: <http://sciences.adelaide.edu.au/degrees/courses/>

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

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

### Variations for students who commenced in or prior to 2013

- Level III: GEOLOGY 3504 Basins, Sediments and Regolith III, has been replaced by GEOLOGY 3505 Earth Systems History III.

### Variations for students who commenced in or prior to 2011

- Level III: GEOLOGY 3014 Environmental Geoscience Applications III and PLANT SC 3004WT Mineral Nutrition of Plants III, have been replaced in the major by GEOLOGY 3505 Earth Systems History III and PLANT SC 3505WT Soil and Plant Nutrition III.

### Global Experience

The University of Adelaide is committed to offering its students the opportunity to study overseas through a Global Learning 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 Global Learning opportunities available in your study area click [Global Experiences](#).

### Further Information and Enrolment Advice

#### Faculty of Sciences

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