

Pathway to major in Environment

| Year 1 / Level I | | | | |
|---|--|---|--|---|
| S1 | SCIENCE 1500 Introductory Data Science – Becoming Smart About Data | APP DATA 1010 Ethics and Data Management I | BIOLOGY 1401 Concepts in Biology I; or BIOLOGY 1101 Biology I: Molecules, Genes & Cells | CHEM 1100 Chemistry IA; or ** CHEM 1101 Foundations of Chemistry IA |
| S2 | STATS 1000 Statistical Practice I or STATS 1005 Statistical Analysis and Modelling or ECON 1008 Data Analytics | MATHS 1004 Mathematics for Data Science I or MATHS 1012 Mathematics IB | BIOLOGY 1202 Biology I: Organisms | CHEM 1200 Chemistry IB; or ** CHEM 1201 Foundations of Chemistry IB |
| ** CHEM 1312 Foundations of Chemistry IS during Summer School (if completed Foundations IA & IB) | | | | |
| Year 2 / Level II | | | | |
| S1 | APP DATA 2010 Data Handling and Visualisation II | ENV BIOL 2500 Botany II or ENV BIOL 2503 Zoology II | CHEM 2530 Environmental & Analytical Chemistry II | SPATIAL 2501 Spatial Information and Land Evaluation |
| S2 | # APP DATA 2015 Statistical Inference and Machine Learning II or + APP DATA 2020 Programming II | ENV BIOL 2502 Ecology II | Approved level II elective | Approved level II elective or SCIENCE 2700 Science Internship |
| *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 | # APP DATA 3010 Advanced Data Analysis III or # APP DATA 3015 Numerical Modelling III OR + APP DATA 3025 Machine Learning and Data Analytics III or + APP DATA 3030 Quantitative Decision Making III | ENV BIOL 3510 Research Methods in Ecology III | ENV BIOL 3121 Concepts in Ecology III | ENV BIOL 3004 Freshwater Ecology III or 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 | APP DATA 3020 Capstone Project in Domain-Specific Decision Science III | SPATIAL 3010 Earth Observation III | SPATIAL 3007WT GIS for Environmental Management III [Summer School] or SPATIAL 3020WT GIS for Agriculture & Natural Resources III [Winter School] | ENV BIOL 3580 Conservation Biology III or ENV BIOL 3010 Marine Ecology III |

ALL COURSES ARE WORTH 3 UNITS UNLESS OTHERWISE SPECIFIED

Key

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

This core course contributes towards the more quantitative stream

+This core course contributes towards the less quantitative stream

**Students who successfully complete CHEM 1101 Foundations of Chemistry IA and CHEM 1201 Foundations of Chemistry IB will be required to complete CHEM 1312 Foundations of Chemistry IS to follow the pathway of the Environment major.

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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 the Bachelor of Applied Data Analytics program.
- 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.

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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