

Pathway to major in Geosciences

Year 1 / Level I				
S1	SCIENCE 1500 Introductory Data Science – Becoming Smart About Data	APP DATA 1010 Ethics and Data Management I	GEOLOGY 1103 Building a Habitable Planet	CHEM 1100 Chemistry IA or ** CHEM 1101 Foundations of Chemistry IA
S2	STATS 1000 Statistical Practice I or STATS 1005 Statistical Analysis and Modelling I or ECON 1008 Data Analytics I	MATHS 1004 Mathematics for Data Science I or MATHS 1012 Mathematics IB	GEOLOGY 1100 Planet Earth	CHEM 1200 Chemistry IB or ** CHEM 1201 Foundations of Chemistry IB
Year 2 / Level II				
S1	APP DATA 2010 Data Handling and Visualisation II	GEOLOGY 2500 Sedimentary Geology II	GEOLOGY 2501 Structural Geology II	GEOLOGY 2515 Geophysics II
S2	# APP DATA 2015 Statistical Inference and Machine Learning II or APP DATA 3035 Statistical Inference and Machine Learning III or + APP DATA 2020 Visual Basic and Excel Programming II	GEOLOGY 2502 Igneous and Metamorphic Geology II	GEOLOGY 2505 Geochemistry II	Approved level II elective or SCIENCE 2700 Science Internship
*Global Experience: We recommend 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	GEOLOGY 3022 Geophysics IIIA: Potential Fields and Geothermics	GEOLOGY 3013 Tectonics III	GEOLOGY 3016 Igneous Metamorphic Geology III or GEOLOGY 3515 Energy Resources III
*Global Experience: We recommend 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	GEOLOGY 3023 Geophysics IIIB: Electromagnetics and Seismology	SPATIAL 3007WT GIS for Environmental Management III [Summer School] or SPATIAL 3010 Earth Observation III or SPATIAL 3020WT GIS for Agriculture & Natural Resources III [Winter School]	GEOLOGY 3505 Earth Systems History III or GEOLOGY 3525 Mineral Resources III

ALL COURSES ARE WORTH 3 UNITS UNLESS OTHERWISE SPECIFIED

Key

Core Course	Elective Course	Course for Major
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This course is a compulsory elective that contributes towards the more quantitative stream

+This course is a compulsory elective that 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 granted exemption from CHEM 1312 Foundations of Chemistry IS to follow the pathway of the Geosciences 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 Bachelor of Applied Data Analytics program.
- Please consult your [Program Coordinator](#) or contact the Sciences Service Hub for advice.

Enrolment Errors

Please [submit the relevant form](#) to request a unit-overload waiver, prerequisite waiver, timetable clash resolution or a course/class full request.

Global Experience

We recommend 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](#).

Under the University's [Student Charter](#), it is the student's responsibility to enrol correctly in accordance with the University's program requirements, course prerequisites and University procedures, and ensure that your enrolment will enable you to graduate in your chosen program. If this study plan is unclear or contains an error, it is recommended you seek confirmation and advice from the Sciences Service Hub at the earliest opportunity

Further Information and Enrolment Advice

Sciences Service Hub

Phone: +61 8 8313 5673

Email: faculty.sciences@adelaide.edu.au