

# Bachelor of Advanced Science (Geology) (Environmental Earth Science)

Useful study planning/enrolment resources:

- [Course and Subject Handbook](#)
- [Academic Calendars](#)
- [Class Registration](#)
- [Enrolment Resources](#)

The information in the study planner is current at the time of creation may be subject to future change.

**Attention International Student visa holders:** To remain compliant with your enrolments requirements as a Student visa holder you are required to enrol in at least one On-Campus, Multi-Modal or WIL subject offering in each compulsory study period and you cannot enrol in more than one third (33%) of your total course load through online or distance learning. To complete your course within your CoE duration students must maintain sufficient subject enrolment.

If there are only Online subject offerings for you to select in a compulsory study period, contact [enrolments@jcu.edu.au](mailto:enrolments@jcu.edu.au) urgently for enrolment advice.

**Student Resources:** If you require advice about your study plan, choosing electives, or which subjects to enrol in, please contact your major advisor or degree coordinator ([CSE Course and Major Advisors](#)). For information on available elective subject options please also refer to the Study Area guide ([2026 JCU STUDY AREA GUIDE — College of Science & Engineering](#)).

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
<b>2026</b>	SC1101:03 Science, Technology and Truth	MA1000:03 Mathematical Foundations <i>PREREQ:</i> MA1020 OR MA0020 OR BR0202 OR High School Senior Mathematics Equivalent	SC1109:03 Modelling Natural Systems-Advanced <i>PREREQ:</i> MA1000 or MA1009
	CH1020:03 Preparatory Chemistry (or any Level 1, 2 or 3 or 5 subject if already satisfied via previous study)	<b>Geology Major</b> CH1001:03 Chemistry: The Central Science (TR2) <i>PREREQ:</i> BR0301, CH1020 or CH0020 or EG1010 or High School Senior Chemistry Equivalent	MA1003:03 Mathematical Techniques <i>PREREQ:</i> MA1000 OR MA1011 OR MA1009
	<b>Environmental Earth Science Major</b> EV1005:03 Environmental Processes and Global Change		<b>Geology Major</b> EA1110:03 Evolution of the Earth

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
<b>2027</b>	<b>Geology Major</b> EA2220:03 Earth Materials: Minerals and Magmas <i>PREREQ: 9 credit points of Level 1 subjects including EA1110</i>	<b>Geology Major</b> EA3210:03 Structural Geology and Tectonics <i>PREREQ: 9 credit points of Level 1 subjects including EA1110</i>	<b>Geology Major</b> EA2110:03 Sedimentology and Stratigraphy <i>PREREQ: 9 credit points of Level 1 subjects including EA1110</i>
	<b>Environmental Earth Science Major</b> EA2006:03 Hydrology <i>PREREQ: 9 credit points of Level 1 subjects</i>	<b>Environmental Earth Science Major</b> EV2401:03 Australian Landscape Processes and Evolution <i>PREREQ: 9 credit points of Level 1 subjects</i>	<b>Environmental Earth Science Major</b> EA2404:03 Earth's Climate: Past, Present and Future <i>PREREQ: 12 credit points of Level 1 subjects</i>
	<b>Environmental Earth Science Major</b> BS1007:03 Environmental Earth Science Major	Select 3 credit points of subjects from <b>List 1 (Advanced Skills Subjects)</b>	

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
<b>2028</b>	SC2209:03 Quantitative Methods in Science-Advanced <i>PREREQ: SC1109 and MA1003 plus 6 credit points of Level 1 subjects</i>	SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: 12 credit points of second year subjects.</i> <b>OR</b> SC3003:03 Science Research Internship (TR1, TR2, TR3) <i>PREREQ: 15 credit points of AQ, BC, BS, BZ, CH, EV, EA, MA, MB, PH or SC Science Level 2 subjects</i> <i>*Students must source a supervisor for their internship before enrolment</i>	<b>Geology Major</b> EA3400:03 Ore Deposits and Critical Mineral Exploration <i>PREREQ: 9 credit points of Level 2 subjects including EA2220</i> <b>OR</b> EA3800:03 Geochemistry of the Earth and Environment <i>PREREQ: 9 credit points of Level 2 subjects and 3 credit points of Level 1 EA, EV or CH subjects</i>
	<b>Geology Major</b> EA3130:03 Magmatic Processes and Metamorphism <i>PREREQ: 9 credit points of Level 2 subjects including EA2220</i>	<b>Geology Major</b> EA3510:03 Geological Mapping <i>PREREQ: 9 credit points of Level 2 subjects including EA2220</i>	<b>Environmental Earth Science Major</b> EV3401:03 Coastal and Catchment Geomorphology <i>PREREQ: 9 credit points of Level 1 subjects</i>
	<b>Environmental Earth Science Major</b> EA3207:03 Soil Properties and Processes for Science <i>PREREQ: 9 credit points of Level 1 subjects</i>	<b>Environmental Earth Science Major</b> EA3007:03 Field Studies in Tropical Land and Water Science <i>PREREQ: 9 credit points of Level 1 subjects including EA2006</i>	

## COURSE HANDBOOK

[Bachelor of Advanced Science](#)

[Geology Major](#)

[Environmental Earth Science Major](#)