

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

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 you are receiving US Federal Aid,** there are further compliance considerations. Please contact [financialaid@jcu.edu.au](mailto:financialaid@jcu.edu.au) to confirm compliance of your subject selections.

**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](#)).

Your plan may include subjects labelled with **\*Intensive on-campus requirements**. These subjects involve mandatory on-campus or fieldwork attendance with extended hours over a dedicated face-to-face period. Please check the face-to-face dates for the subject in the [subject handbook](#) and do not enrol in subjects with overlapping face-to-face dates. For more information, see the CSE Student Guide to Succeeding in Trimester 2 Intensives on the CSE [Student Resources](#) webpage.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2026			MA1020:03 Preparatory Mathematics (or any Level 1, 2, 3 or 5 subject if already satisfied via previous study)
			<b>Geology Major</b> EA1110:03 Evolution of the Earth
			Select 3 credit points of any Level 1, 2, 3 or 5 subjects

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027	CH1020:03 Preparatory Chemistry (or any Level 1, 2, 3 or 5 subject if already satisfied via previous study)	<b>Geology Major</b> CH1001:03 Chemistry: The Central Science (TR2) <i>PREREQ: BR0301, CH1020, CH0020 or EG1010 or High School Senior Chemistry or equivalent</i>	SC1102:03 Modelling Natural Systems <i>PREREQ: MA1020 or MA0020 or Senior Mathematics or equivalent</i> <b>OR</b> SC1109:03 Modelling Natural Systems-Advanced^ <i>PREREQ: MA1000 or MA1009</i>
	SC1101:03 Science, Technology and Truth	<b>Environmental Earth Science Major</b> EV2401:03 Australian Landscape Processes and Evolution <i>*Intensive on-campus requirements</i> <i>PREREQ: 9 credit points at level 1</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> EV1005:03 Environmental Processes and Global Change		<b>Geology Major</b> EA2110:03 Sedimentology and Stratigraphy <i>PREREQ: 9 credit points at Level 1 including EA1110</i>

^Note: SC1109 is compulsory in the Advanced BSc Program and should be taken instead of SC1102 if you are considering that pathway.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2028	<b>Environmental Earth Science Major</b> BS1007:03 Introduction to Biodiversity	<b>Geology Major</b> EA3210:03 Structural Geology and Tectonics <i>*Intensive on-campus requirements</i> PREREQ: 9 credit points at level 1 including EA1110	SC2202:03 Quantitative Methods in Science PREREQ: SC1102 or SC1109 <b>OR</b> SC2209:03 Quantitative Methods in Science-Advanced PREREQ: MA1003 and ((SC1109 plus 6 credit points of other Level 1 subjects) or admission in 116409)
	<b>Environmental Earth Science Major</b> EA2006:03 Hydrology PREREQ: 9 credit points at level 1	Select 3 credit points of <a href="#">List 2 (Skills Subjects)*</a> <i>*Recommended - EV2502:03 Introduction to Geographic Information Systems</i> <i>*Intensive on-campus requirements</i> PREREQ: 9 credit points at level 1 OR EA2900:03 Introductory Outback Field Geosciences <i>*Intensive on-campus requirements</i> PREREQ: 9 credit points at level 1 including EA1110	<b>Environmental Earth Science Major</b> EV3401:03 Coastal and Catchment Geomorphology PREREQ: 9 credit points at level 1
	<b>Geology Major</b> EA2220:03 Earth Materials: Minerals and Magmas PREREQ: 9 credit points at level 1 including EA1110		<b>Geology Major</b> EA3400:03 Ore Deposits and Critical Mineral Exploration PREREQ: 9 credit points at level 2 including EA2220 <b>OR</b> EA3800:03 Geochemistry of the Earth and Environment PREREQ: 9 credit points at level 2 and 3 credit points level 1 EA, EV, or CH subjects

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
<b>2029</b>	<p>SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: 12 credit points of second year subjects</i></p> <p><b>OR</b></p> <p>SC3003:03 Science Research Internship* (TR1, TR2, TR3) <i>PREREQ: 15 credit points of Science Level 2 subjects plus a GPA of 5.5 or above</i></p> <p><i>*Students must source a supervisor for their internship before enrolment</i></p>	<p><b>Environmental Earth Science Major</b></p> <p>EA3007:03 Field Studies in Tropical Land and Water Science <i>*Intensive on-campus requirements</i> <i>PREREQ: 9 credit points at level 2 including EA2006</i></p>	
	<p><b>Environmental Earth Science Major</b></p> <p>EA3207:03 Soil Properties and Processes for Science <i>PREREQ: 9 credit points at level 1</i></p>	<p><b>Geology Major</b></p> <p>EA3510:03 Geological Mapping <i>*Intensive on-campus requirements</i> <i>PREREQ: 9 credit points at level 2 including EA2220</i></p>	
	<p><b>Geology Major</b></p> <p>EA3130:03 Magmatic Processes and Metamorphism <i>PREREQ: 9 credit points at level 2 including EA2220</i></p>		

**COURSE HANDBOOK**

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[Environmental Earth Science Major](#)

[Geology Major](#)