

## Bachelor of 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>Major</b> EA1110:03 Evolution of the Earth
			Elective subject from <a href="#">List 1 (Breadth Subjects)</a> <b>OR</b> Second Major Subject (Depending on chosen structure)

	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)	Elective <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</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 <sup>^</sup> <i>PREREQ: MA1000 or MA1009</i>
	SC1101:03 Science, Technology and Truth	Elective subject from <a href="#">List 1</a> ( <b>Breadth Subjects</b> ) <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</i>	<b>Major</b> EA2110:03 Sedimentology and Stratigraphy <i>PREREQ: 9 credit points at Level 1 including EA1110</i>
	<b>Major*</b> EV1005:03 Environmental Processes and Global Change <b>OR</b> CH1001:03 Chemistry: The Central Science (TR2) <i>PREREQ: BR0301, CH1020, CH0020 or EG1010 or High School Senior Chemistry or equivalent</i>		Elective <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</i>

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

\*EV1005 must be selected if undertaking a double major with the Chemistry Major and CH1001 must be selected if undertaking a double major with the Environmental Earth Science Major

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

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2029	<b>Major</b> EA3130:03 Magmatic Processes and Metamorphism <i>PREREQ: 9 credit points at level 2 including EA2220</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 Science Level 2 subjects plus a GPA of 5.5 or above</i> <i>*Students must source a supervisor for their internship before enrolment</i>	
	Elective <b>OR</b> Second Major Subject <i>(Depending on chosen structure)</i>	<b>Major</b> EA3510:03 Geological Mapping <i>*Intensive on-campus requirements</i> <i>PREREQ: 9 credit points at level 2 including EA2220</i>	
	Select 3 credit points of any Level 1, 2, 3 or 5 subjects		

**COURSE HANDBOOK**

[Bachelor of Science](#)

[Geology Major](#)