

## Bachelor of Science (Geology) & (Marine Biology)

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	MA1020:03 Preparatory Mathematics (or any Level 1, 2, 3 or 5 subject if already satisfied via previous study)	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>
	CH1020:03 Preparatory Chemistry (or any Level 1, 2, 3 or 5 subject if already satisfied via previous study)	<b>Geology Major</b> EV1005:03 Environmental Processes and Global Change (TR1) <b>OR</b> CH1001:03 Chemistry: The Central Science (TR2) <i>PREREQ: BR0301, CH1020, CH0020 or EG1010 or High School Senior Chemistry or admission to 71510 or 116910 or 70309 or 108209 or 70809 or 71809 or 115309 or 119209</i>	<b>Geology Major</b> EA1110:03 Evolution of the Earth
	<b>Marine Biology Major</b> BS1007:03 Introduction to Biodiversity		<b>Marine Biology Major</b> BS1001:03 Introduction to Biological Processes

<sup>^</sup>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
<b>2027</b>	<p>SC2202:03 Quantitative Methods in Science <i>PREREQ: SC1102 OR SC1109 or admission to Bachelor of Business and Environmental Science or admission to 116209, 116309 or 116409</i></p> <p><b>OR</b></p> <p>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></p>	<p>Elective subject from <b>List 2 (Skills Subjects)</b></p>	<p><b>Geology Major</b> EA2110:03 Sedimentology and Stratigraphy <i>PREREQ: At least 9 credit points at level 1 including EA1110</i></p>
	<p><b>Geology Major</b> EA2220:03 Earth Materials: Minerals and Magmas <i>PREREQ: At least 9 credit points at level 1 including EA1110</i></p>	<p><b>Geology Major</b> EA3210:03 Structural Geology and Tectonics <i>PREREQ: At least 9 credit points at level 1 including EA1110</i></p>	<p><b>Marine Biology Major</b> BS2460:03 Fundamentals of Ecology <i>PREREQ: 6 credit points of level 1 or 2 BZ/BS or EV subjects</i></p>
	<p><b>Marine Biology Major</b> MB2050:03 Functional Biology of Marine Organisms <i>PREREQ: ZL1001 or BZ1004 or AG1004 or BZ1007 or BS1007 or BZ1006</i></p>	<p><b>Marine Biology Major</b> MB3210:03 Life History and Evolution of Reef Corals (TR1) <i>PREREQ: (SC2202 or SC2209 or BS2001 or BZ2001 or AG2001)</i> <i>Prior Approval</i></p> <p><b>OR</b></p> <p>MB3160:03 Evolution and Ecology of Reef Fishes (TR2) <i>PREREQ: MB2050</i> <i>Prior Approval</i></p>	

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2028	<p><b>Geology Major</b> EA3130:03 Magmatic Processes and Metamorphism <i>PREREQ: At least 9 credit points at level 2 including EA2220</i></p>	<p><b>Geology Major</b> EA3510:03 Geological Mapping <i>PREREQ: At least 9 credit points at level 2 including EA2220</i></p>	<p>SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: Students must have successfully completed 12 second year credit points.</i></p> <p><b>OR</b></p> <p>SC3003:03 Science Research Internship (TR1, TR2, TR3) <i>PREREQ: Admission to BAdvSc plus 15 credit points of AQ, BC, BS, BZ, CH, EV, EA, MA, MB, PH or SC Science Level 2 subjects. Students not admitted to BAdvSc must have 15 credit points of Science Level 2 subjects plus a GPA of 5.5 or above.</i></p>
	<p><b>Marine Biology Major</b> BS2470:03 Evolution <i>PREREQ: BZ1001 or BS1001 or BZ1005</i></p>	<p><b>Marine Biology Major</b> MB3190:03 Coral Reef Ecology (TR3) <b>OR</b> MB3270:03 Coastal, Estuarine and Mangrove Ecosystems (TR2) <i>PREREQ: BS1007 or BZ1007 and (MB2050 or BS2460) and (SC2202 or SC2209 or BS2001 or BZ2001)</i></p>	<p><b>Geology Major</b> EA3400:03 Ore Deposits and Critical Mineral Exploration <i>PREREQ: At least 9 credit points at level 2 including EA2220</i></p> <p><b>OR</b></p> <p>EA3800:03 Geochemistry of the Earth and Environment <i>PREREQ: At least 9 credit points at level 2 and 3 credit points level 1 EA, EV, or CH subjects</i></p>
	<p><b>Marine Biology Major</b> MB3050:03 Biological Oceanography <i>PREREQ: (BS1007 or BZ1007) and MB2050 and (SC2202 or SC2209 or BS2001 or BZ2001)</i></p>		<p>Select 3 credit points of any Level 1, 2, 3 or 5 subjects</p>

**COURSE HANDBOOK**

[Bachelor of Science](#)

[Geology Major](#)

[Marine Biology Major](#)