

Bachelor of Science (Geology) & (Molecular and Cell 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 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
2026	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) <i>Cairns students must enrol online</i>	SC1102:03 Modelling Natural Systems <i>PREREQ: MA1020 or MA0020 or Senior Mathematics or equivalent.</i> OR 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)	Geology Major EV1005:03 Environmental Processes and Global Change (TR1) OR 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>	Geology Major EA1110:03 Evolution of the Earth
	Molecular and Cell Biology Major BM1110:03 Molecules to Microbes	Molecular and Cell Biology Major BM1201:03 Energy Metabolism: Powering Life <i>PREREQ: Senior Chemistry or equivalent, allow concurrent enrolment in CH1020</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
2027	<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>OR</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 List 2 (Skills Subjects)</p>	<p>Geology Major EA2110:03 Sedimentology and Stratigraphy <i>PREREQ: At least 9 credit points at level 1 including EA1110</i></p>
	<p>Geology Major EA2220:03 Earth Materials: Minerals and Magmas <i>PREREQ: At least 9 credit points at level 1 including EA1110</i></p>	<p>Geology Major EA3210:03 Structural Geology and Tectonics <i>PREREQ: At least 9 credit points at level 1 including EA1110</i></p>	<p>Molecular and Cell Biology Major BM2310:03 Drugs: Triggering System Responses <i>PREREQ: BM1201</i></p>
		<p>Molecular and Cell Biology Major BM2230:03 DNA to Proteins <i>PREREQ: Minimum 18 credit points of Level 1 subjects including BM1110 or BM1300 or BM1000</i></p>	<p>Molecular and Cell Biology Major BM2330:03 Cell Biology: Signaling & Regulation <i>PREREQ: Minimum 18 credit points of Level 1 subjects including BM1110 or BM1000 or BS1001</i></p>

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2028	<p>Geology Major EA3130:03 Magmatic Processes and Metamorphism <i>PREREQ: At least 9 credit points at level 2 including EA2220</i></p>	<p>Geology Major 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>OR</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>Molecular and Cell Biology Major BM3130:03 Genes, Genomes and Development <i>PREREQ: BM2230</i></p>	<p>Molecular and Cell Biology Major BM3230:03 Molecular Basis of Disease <i>PREREQ: BM1201 or BC2013 and BM2330 or BC2024</i></p>	<p>Geology Major EA3400:03 Ore Deposits and Critical Mineral Exploration <i>PREREQ: At least 9 credit points at level 2 including EA2220</i></p> <p>OR</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>Select 3 credit points of any Level 1, 2, 3 or 5 subjects</p>		<p>Molecular and Cell Biology Major BM3330:03 Synthetic Biology and Bioengineering <i>PREREQ: BM1201 or BC2013 and BM2230 or BC2023</i></p>

COURSE HANDBOOK

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