

Bachelor of Science (Geology) (Molecular and Cell Biology)

Useful study planning/enrolment resources:

- [Subject Search](#)
- [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.

The College of Science and Engineering will be offering some subjects in Block 3 and Block 4 (see the [Academic Calendar](#) for Block 3 and 4 dates). International students must maintain enrolment in subjects across the whole Trimester 2 period (May - August) and can do this by enrolling in a combination of Block 3 and Block 4 subjects, and/or Trimester 2 subjects and full-time enrolment load in an academic year.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2025	SC1101:03 Science Technology and Truth	MA1020:03 Preparatory Mathematics or any Level 1, 2 or 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> OR SC1109:03 Modelling Natural Systems-Advanced^ <i>PREREQ: MA1000</i>
	Molecular and Cell Biology Major BM1110:03 Molecules to Microbes	CH1020:03 Preparatory Chemistry (or any Level 1, 2 or 3 or 5 subject if already satisfied via previous study)	Geology Major EA1110:03 Evolution of the Earth
	Geology Major EV1005:03 Environmental Processes and Global Change (TR1) OR CH1001:03 Chemistry: The Central Science (TR2) <i>PREREQ: CH1020 or CH0020 or EG1010 or Senior Chemistry or equivalent</i>	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
2026	<p>SC2202:03 Quantitative Methods in Science <i>PREREQ: SC1102 or SC1109</i></p> <p>OR</p> <p>SC2209:03 Quantitative Methods in Science-Advanced <i>PREREQ: SC1109 and MA1003 plus 6 credit points of other Level 1 subjects</i></p>	<p>Molecular and Cell Biology Major</p> <p>BM2230:03 DNA to Proteins <i>PREREQ: 18 credit points of level 1 subjects including BM1110</i></p>	<p>Geology Major</p> <p>EA2110:03 Introduction to Sedimentology <i>PREREQ: 9 credit points of Level 1 Subjects including EA1110</i></p>	
	<p>Geology Major</p> <p>EA2220:03 Earths Materials; Minerals and Magmas <i>PREREQ: 9 credit points of Level 1 Subjects including EA1110</i></p>	<p>BLOCK 3 (May-Jun)</p> <p>Geology Major</p> <p>EA3210:03 Structural Geology and Tectonics <i>PREREQ: 9 credit points of Level 1 Subjects including EA1110</i></p>	<p>Molecular and Cell Biology Major</p> <p>BM2330:03:03 Cell Biology: Signalling and Regulation <i>PREREQ: 18 credit points of level 1 subjects including BM1110</i></p>	
	<p>Select 3 credit point of any Level 1, 2, 3 or 5 subject</p>		<p>Molecular and Cell Biology Major</p> <p>BM2310:03 Drugs: Triggering System Responses <i>PREREQ: BM1201</i></p>	

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027	Geology Major EA3130:03 Magmatic Processes and Metamorphism <i>PREREQ: 9 credit points at level 2 including EA2220</i>	Molecular and Cell Biology Major BM3230:03 Molecular Basis of Disease <i>PREREQ: BM1201 and BM2330</i>	SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: 12 credit points of second year subjects. Restricted to students with an approved placement</i> OR 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 and a GPA of 5.5</i> <i>*Students must source a supervisor for their internship before enrolment</i>
	Molecular and Cell Biology Major BM3130:03 Genes, Genomes, and Development <i>PREREQ: BM2230</i>	BLOCK 3 (May-Jun)	Molecular and Cell Biology Major BM3330:03 Synthetic Biology and Bioengineering <i>PREREQ: BM1201 and BM2230</i>
	Select 3 credit points of subjects from List 2 (Skills Subjects) <i>*Recommended – EV2502:03 Introduction to Geographic Information Systems (BL4) or SC3010:03 Sensors and Sensing for Scientists (TR1)</i>		Geology Major EA3400:03 Ore Deposits and Critical Mineral Exploration <i>PREREQ: 9 credit points of level 2 subjects including EA2220</i> OR EA3800:03 Earth and Environmental Geochemistry <i>PREREQ: 9 credit points of level 2 subjects and 3 credit points of level 1 EA, EV or MB subjects</i>

COURSE HANDBOOK

[Bachelor of Science](#)

[Geology Major](#)

[Molecular and Cell Biology Major](#)