

Bachelor of Science (Environmental Earth Science) (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: MA 1020 or MA0020 or Senior Mathematics or equivalent</i> OR SC1109:03 Modelling Natural Systems – Advanced^ <i>PREREQ: MA 1000</i>
	Environmental Earth Science Major EV1005:03 Environmental Processes and Global Change	CH1020:03 Preparatory Chemistry (or any Level 1, 2 or 3 or 5 subject if already satisfied via previous study)	Environmental Earth Science Major EA1110:03 Evolution of the Earth (TR3) OR BS1007:03 Introduction to Biodiversity (TR1)
	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
2026		SC2202:03 Quantitative Methods in Science <i>PREREQ: SC1102 or SC1109</i> OR SC2209:03 Quantitative Methods in Science-Advanced <i>PREREQ: MA1003 and SC1109 plus 6 credit points of other Level 1 subjects</i>	Molecular and Cell Biology Major BM2230:03 DNA to Proteins <i>PREREQ: 18 credit points of level 1 subjects including BM1110 or BM1300</i>	Environmental Earth Science Major EA2404:03 Earth's Climate: Past, Present and Future <i>PREREQ: 9 credit points of Level 1 subjects</i>
		Environmental Earth Science Major EA2006:03 Hydrology <i>PREREQ: 9 credit points at Level 1</i>	BLOCK 3 (May-Jun) Environmental Earth Science Major EV2401:03 Australian Landscape Processes and Evolution <i>PREREQ: 9 credit points at Level 1</i>	Molecular and Cell Biology Major BM2330:03:03 Cell Biology: Signalling and Regulation <i>PREREQ: 18 credit points of level 1 subjects including BM1110</i>
		Elective from List 2 (Skill Subjects)		Molecular and Cell Biology Major BM2310:03 Drugs: Triggering System Responses <i>PREREQ: BM1201</i>

		TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027		Environmental Earth Science Major EA3207:03 Soil Properties and Processes <i>PREREQ: 9 credit points of Level 1 subjects</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) Environmental Earth Science Major EA3007:03 Field Studies in Tropical Land and Water Science <i>PREREQ: 9 credit points of Level 1 subjects including EA2006</i>	Environmental Earth Science Major EV3401:03 Coastal and Catchment Geomorphology <i>PREREQ: 9 credit points at Level 1</i>
		Select 3 credit points of any Level 1, 2, 3 or 5 subject		Molecular and Cell Biology Major BM3330:03 Synthetic Biology and Bioengineering <i>PREREQ: BM1201 and BM2230</i>

COURSE HANDBOOK

[Bachelor of Science](#)

[Environmental Earth Science Major](#)

[Molecular and Cell Biology Major](#)