

Bachelor of 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			MA1020:03 Preparatory Mathematics (or any Level 1, 2 or 3 or 5 subject if already satisfied via previous study)
			Elective OR Second Major Subject (depending on chosen structure)
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	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2026	CH1020:03 Preparatory Chemistry (or any Level 1, 2 or 3 or 5 subject if already satisfied via previous study)	Major BM1201:03 Energy Metabolism: Powering Life <i>PREREQ: Senior Chemistry or equivalent. Allow concurrent enrolment in CH1020</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>
	SC1101:03 Science, Technology and Truth	Elective from List 1 (Breadth Subjects) <i>*Recommended CH1001 Chemistry: A Central Science</i> OR Second Major Subject (depending on chosen structure)	Major BM2330:03:03 Cell Biology: Signalling and Regulation <i>PREREQ: 18 credit points of level 1 subjects including BM1110 or BM1000 or BS1001</i>
	Major BM1110:03 Molecules to Microbes		Elective OR Second Major Subject (depending on chosen structure)

^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	SC2202:03 Quantitative Methods in Science <i>PREREQ: SC1102 or SC1109</i> OR SC2209:03 Quantitative Methods in Science-Advanced <i>PREREQ: SC1109 and MA1003 plus 6 credit points of other Level 1 subjects</i>	Major BM2230:03 DNA to Proteins <i>PREREQ: 18 credit points of level 1 subjects including BM1110 or BM1300 or BM1000</i>	Major BM2310:03 Drugs: Triggering System Responses <i>PREREQ: BM1201</i>
	Elective from List 1 (Breadth Subjects) OR Second Major Subject (depending on chosen structure)	Elective OR Second Major Subject (depending on chosen structure)	Major BM3330:03 Synthetic Biology and Bioengineering <i>PREREQ: BM1201 and BM2230</i>
	Elective OR Second Major Subject (depending on chosen structure)		Elective from List 2 (Skill Subjects)

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2028	Major BM3130:03 Genes, Genomes and Development <i>PREREQ: BM2230</i>	SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: 12 credit points of second year subjects.</i> <i>Enrolment is 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</i> <i>*Students wishing to enrol in SC3003 must have a minimum GPA of 5.5 and a supervisor for their internship.</i>	
	Elective OR Second Major Subject <i>(depending on chosen structure)</i>	Major BM3230:03 Molecular Basis of Disease <i>PREREQ: BM1201 and BM2330</i>	
	Elective OR Second Major Subject <i>(depending on chosen structure)</i>		

COURSE HANDBOOK

[Bachelor of Science](#)
[Molecular and Cell Biology Major](#)