

## Bachelor of Advanced 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](mailto: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 TR2, Block 3 and/or Block 4 subjects.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2025			Elective <b>OR</b> Second Major Subject <i>(depending on chosen structure)</i>
			Elective <b>OR</b> Second Major Subject <i>(depending on chosen structure)</i>
			Elective <b>OR</b> Second Major Subject <i>(depending on chosen structure)</i>

	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)	MA1000:03 Mathematical Foundations <i>PREREQ: MA1020 OR MA0020 OR BR0202 OR High school subjects: Mathematical Methods or Specialist Mathematics (or equivalent such as Maths B or Maths C)</i>	MA1003:03 Mathematical Techniques <i>PREREQ: MA1000 or MA1011 or MA1009</i>
	SC1101:03 Science, Technology and Truth	<b>Major</b> BM1201:03 Energy Metabolism: Powering Life <i>PREREQ: Senior Chemistry or equivalent. Allow concurrent enrolment in CH1020</i>	SC1109:03 Modelling Natural Systems-Advanced <i>PREREQ: MA1000 or MA1009</i>
	<b>Major</b> BM1110:03 Molecules to Microbes		<b>Major</b> BM2310:03 Drugs: Triggering System Responses <i>PREREQ: BM1201</i>

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027	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>	<b>Major</b> BM2230:03 DNA to Proteins <i>PREREQ: Minimum 18 credit points of level 1 subjects including BM1110 or BM1300 or BM1000</i>	<b>Major</b> BM2330:03:03 Cell Biology: Signalling and Regulation <i>PREREQ: Minimum 18 credit points of level 1 subjects including BM1110 or BM1000 or BS1001</i>
	Elective <b>OR</b> Second Major Subject (depending on chosen structure)	Select 3 credit points of subjects from <a href="#">List 1</a> ( <b>Advanced Skills Subjects</b> )	<b>Major</b> BM3330:03 Synthetic Biology and Bioengineering <i>PREREQ: BM1201 and BM2230</i>
	Elective <b>OR</b> Second Major Subject (depending on chosen structure)		Elective <b>OR</b> Second Major Subject (depending on chosen structure)

2028	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
	<b>Major</b> BM3130:03 Genes, Genomes, and Development <i>PREREQ: BM2230</i>	<b>Major</b> BM3230:03 Molecular Basis of Disease <i>PREREQ: BM1201 and BM2330</i>	
	Elective <b>OR</b> Second Major Subject <i>(depending on chosen structure)</i>	SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: 12 credit points of second year subjects. Enrolment is restricted to students with an approved placement</i> <b>OR</b> 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>	
	Elective <b>OR</b> Second Major Subject <i>(depending on chosen structure)</i>		

## COURSE HANDBOOK

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