

Bachelor of Advanced Science (Chemistry) (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	MA1000:03 Mathematical Foundations <i>PREREQ: MA1020 or MA0020 or BR0202 or High School Senior Mathematics equivalent</i>	SC1109:03 Modelling Natural Systems-Advanced <i>PREREQ: MA1000 or MA1009</i>
	CH1020:03 Preparatory Chemistry (or any Level 1, 2 or 3 or 5 subject if already satisfied via previous study)	Chemistry Major CH1001:03 Chemistry: The Central Science <i>PREREQ: BR0301, CH1020, CH0020 or EG1010 or High School Senior Chemistry</i>	MA1003:03 Mathematical Techniques <i>PREREQ: MA1000 or MA1011 or MA1009</i>
	Molecular and Cell Biology Major BM1110:03 Molecules to Microbes		Chemistry Major CH1002:03 Chemistry: Principles and Applications <i>PREREQ: CH1001 or CH1011 and allow concurrent for CH1011 and CH1001</i>

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027	SC2209:03 Quantitative Methods in Science-Advanced <i>PREREQ: SC1109 and MA1003 plus 6 credit points of other Level 1 subjects</i>	Chemistry Major CH2310:03 Organic Chemistry <i>PREREQ: CH1001 and CH1002</i>	Chemistry Major CH2103:03 Analytical Chemistry <i>PREREQ: CH1001 or CH1011</i>
	Chemistry Major CH2210:03 Inorganic Chemistry <i>PREREQ: CH1001 and CH1002</i>	Molecular and Cell Biology Major BM1201:03 Energy Metabolism: Powering Life <i>PREREQ: Senior Chemistry or equivalent. Allow concurrent enrolment in CH1020</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 or BM1000 or BS1001</i>
		Molecular and Cell Biology Major BM2230:03 DNA to Proteins <i>PREREQ: 18 credit points of Level 1 subjects including BM1110 or BM1300 or BM1000</i>	Molecular and Cell Biology Major BM2310:03 Drugs: Triggering System Responses <i>PREREQ: BM1201</i>

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2028	Chemistry Major CH3210:03 Applications of Inorganic Chemistry <i>PREREQ: CH2210</i>	SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: 12 credit points of second year subjects.</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 must source a supervisor for their internship before enrolment</i>	Chemistry Major CH3110:03 Special Topics in Analytical Chemistry <i>PREREQ: CH2103</i>
	Molecular and Cell Biology Major BM3130:03 Genes, Genomes, and Development <i>PREREQ: BM2230</i>	Molecular and Cell Biology Major BM3230:03 Molecular Basis of Disease <i>PREREQ: (BM1201 or BC2013) and (BM2330 or BC2024)</i>	Chemistry Major CH3310:03 Special Topics in Organic Chemistry <i>PREREQ: CH2310</i>
		Select 3 credit points of subjects from List 1 (Advanced Skills Subjects)	Molecular and Cell Biology Major BM3330:03 Synthetic Biology and Bioengineering <i>PREREQ: (BM1201 or BC2013) and (BM2230 or BC2023)</i>

COURSE HANDBOOK

[Bachelor of Advanced Science](#)

[Chemistry Major](#)

[Molecular and Cell Biology Major](#)