

Bachelor of Science (Zoology and Ecology) (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>
	Zoology and Ecology Major BS1007:03 Introduction to Biodiversity	CH1020:03 Preparatory Chemistry (or any Level 1, 2 or 3 or 5 subject if already satisfied via previous study)	Major Select 3 credit points of subjects from List 1 (Breadth Subjects)
	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: From Start to Stop <i>PREREQ: 18 credit points of level 1 subjects including BM1110 or BM1300</i>	Zoology and Ecology Major BS2460:03 Fundamentals of Ecology <i>PREREQ: 6 credit points of Level 1 or 2 BZ/BS or EV subjects</i>
	Zoology and Ecology Major BS2470:03 Evolution <i>PREREQ: BZ1001 or BS1001 or BZ1005</i>	BLOCK 3 (May-Jun) Zoology and Ecology Major BZ2490:03 Toolkit for the Field Biologist <i>PREREQ: SC2202 or SC2209</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>
		BLOCK 4 (Jul-Aug) Elective from List 2 (Skill Subjects) <i>*Recommended- EV2502:03 Geographic Information Systems</i>	Molecular and Cell Biology Major BM2310:03 Drugs: Triggering System Responses <i>PREREQ: BM1201</i>

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027	<p>Zoology and Ecology Major BZ3061:03 Behavioural Ecology (TR1) <i>PREREQ: 6 credit points of Level 2 science subjects</i></p> <p>OR BZ3745:03 Tropical Entomology (BLOCK 3) <i>PREREQ: (SC2202 or SC5202 or SC2209 or BZ2001 or BS2001 or AG2001) and (BZ1006 or BS1007 or BZ1007 or ZL1001 or BZ1004 or AG1004)</i></p>	<p>Molecular and Cell Biology Major BM3230:03 Molecular Basis of Disease <i>PREREQ: BM1201 and BM2330</i></p>	<p>SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: 12 credit points of second year subjects. Restricted to students with an approved placement</i></p> <p>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></p>
	<p>Zoology and Ecology Major BZ3220:03 Population and Community Ecology <i>PREREQ: (SC2202 or SC5202 or SC2209 or BS2001 or BZ2001 or AG2001) and (BS2460 or MB2060 or 3 credit points of Level 2 BZ)</i></p>	<p style="text-align: center;">BLOCK 4 (Jul-Aug)</p> <p>Zoology and Ecology Major BZ3230:03 Ecological Research Methods <i>PREREQ: SC2202 or SC2209 or BS2001 or BZ2001) and (BS2460 or BZ2490 or BZ2440 or BZ2880)</i></p> <p>OR BZ3001:03 Field Studies in the Equatorial Tropics: Borneo <i>PREREQ: Prior Approval</i></p>	<p>Molecular and Cell Biology Major BM3330:03 Synthetic Biology and Bioengineering <i>PREREQ: BM1201 and BM2230</i></p>
	<p>Molecular and Cell Biology Major BM3130:03 Genes, Genomes, and Development <i>PREREQ: BM2230</i></p>		<p>Elective (any Level 1, 2, 3 or 5 subject)</p>

COURSE HANDBOOK

[Bachelor of Science](#)

[Zoology and Ecology Major](#)

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