Bachelor of Science (Aquaculture Science and Technology) & (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).

2026	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
	SC1101:03 Science, Technology and Truth	CH1020:03 Preparatory Chemistry (or any Level 1, 2, 3 or 5 subject if already satisfied via previous study)	SC1102:03 Modelling Natural Systems *PREREQ: MA1020 or MA0020 or Senior Mathematics or equivalent.* **OR** SC1109:03 Modelling Natural Systems-Advanced *PREREQ: MA1000 or MA1009*
	Aquaculture Science and Technology Major BS1007:03 Introduction to Biodiversity	MA1020:03 Preparatory Mathematics (or any Level 1, 2, 3 or 5 subject if already satisfied via previous study)	**Aquaculture Science and Technology Major** BS1001:03 Introduction to Biological Processes
	Molecular and Cell Biology Major BM1110:03 Molecules to Microbes	**Molecular and Cell Biology Major** BM1201:03 Energy Metabolism: Powering Life *PREREQ: Senior chemistry or equivalent, allow concurrent enrolment in CH1020*	

^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 *PREREQ: SC1102 OR SC1109 or admission to Bachelor of Business and Environmental Science or admission to 116209, 116309 or 116409* **OR** SC2209:03 Quantitative Methods in Science-Advanced *PREREQ: MA1003 and ((SC1109 plus 6 credit points of other Level 1 subjects) or admission in 116409)*	Elective subject from **List 2 (Skills Subjects)**	**Aquaculture Science and Technology Major** MI2031:03 Diagnosis of Bacterial Diseases in Aquaculture
	Aquaculture Science and Technology Major AQ2001:03 Introduction to Aquaculture *PREREQ: At least 12 credit points of Level 1 science BS, BZ, CH, EA, EV, MA, MB, PH or SC subjects.*	**Molecular and Cell Biology Major** BM2230:03 DNA to Proteins *PREREQ: Minimum 18 credit points of Level 1 subjects including BM1110 or BM1300 or BM1000*	**Molecular and Cell Biology Major** BM2310:03 Drugs: Triggering System Responses *PREREQ: BM1201*
	Aquaculture Science and Technology Major BS2470:03 Evolution *PREREQ: BZ1001 or BS1001 or BZ1005*		**Molecular and Cell Biology Major** BM2330:03 Cell Biology: Signaling & Regulation *PREREQ: Minimum 18 credit points of Level 1 subjects including BM1110 or BM1000 or BS1001*

2028	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
	Aquaculture Science and Technology Major AQ3002:03 Aquaculture: Feeds and Nutrition *PREREQ: At least 12 credit points of Level 2 AQ, BC, BZ, BS, CH, EA, EV, MA, MB or PH science subjects and 3 credit points of level 2 aquaculture subjects.*	**Aquaculture Science and Technology Major** AQ3003:03 Aquaculture: Propagation (TR1) *PREREQ: AQ2001 AND at least 12 credit points of Level 2 science AQ, BC, BS, BZ, CH, EA, EV, MA, MB, PH, or SC subjects.* **OR** AQ3004:03 Aquaculture: Stock Improvement (TR2) *PREREQ: At least 12 credit points of Level 2 AQ, BC, BZ, CH, EA, EV, MA, MB or PH science subjects and 3 credit points of level 2 aquaculture subjects.*	SC3008:03 Professional Placement (TR1, TR2, TR3) *PREREQ: Students must have successfully completed 12 second year credit points.* **OR** SC3003:03 Science Research Internship (TR1, TR2, TR3) *PREREQ: Admission to BAdvSc plus 15 credit points of AQ, BC, BS, BZ, CH, EV, EA, MA, MB, PH or SC Science Level 2 subjects. Students not admitted to BAdvSc must have 15 credit points of Science Level 2 subjects plus a GPA of 5.5 or above.*
	Molecular and Cell Biology Major BM3130:03 Genes, Genomes and Development *PREREQ: BM2230*	**Aquaculture Science and Technology Major** AQ3015:03 Sustainable Aquaculture *PREREQ: 12 credit points of level 2 subjects*	**Molecular and Cell Biology Major** BM3330:03 Synthetic Biology and Bioengineering *PREREQ: BM1201 or BC2013 and BM2230 or BC2023*
	Select 3 credit points of any Level 1, 2, 3 or 5 subjects	**Molecular and Cell Biology Major** BM3230:03 Molecular Basis of Disease *PREREQ: BM1201 or BC2013 and BM2330 or BC2024*	

COURSE HANDBOOK

Bachelor of Science
Aquaculture Science and Technology Major
Molecular and Cell Biology Major