

## Bachelor of Science (Marine Biology) (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 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
<b>2025</b>	SC1101:03 Science Technology and Truth	MA1020:03 Preparatory Mathematics <b>(or any Level 1, 2 or 3 or 5 subject if already satisfied via previous study)</b>	SC1102:03 Modelling Natural Systems <i>PREREQ: MA1020 or MA0020 or Senior Mathematics or equivalent</i> <b>OR</b> SC1109:03 Modelling Natural Systems – Advanced^ <i>PREREQ: MA1000</i>
	<b>Marine Biology Major</b> BS1007:03 Introduction to Biodiversity	CH1020:03 Preparatory Chemistry <b>(or any Level 1, 2 or 3 or 5 subject if already satisfied via previous study)</b>	<b>Marine Biology Major</b> BS1001:03 Introduction to Biological Processes
	<b>Molecular and Cell Biology Major</b> BM1110:03 Molecules to Microbes	<b>Molecular and Cell Biology Major</b> 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> <b>OR</b> SC2209:03 Quantitative Methods in Science-Advanced <i>PREREQ: MA1003 and SC1109 and 6 credit points of Level 1 Subjects</i>	<b>Molecular and Cell Biology Major</b> BM2230:03 DNA to Proteins <i>PREREQ: 18 credit points of level 1 subjects including BM1110 or BM1300</i>	<b>Marine Biology Major</b> BS2460:03 Fundamentals of Ecology <i>PREREQ: 6 credit points of level 1 or 2 BZ, BS or EV subjects</i>
	<b>Marine Biology Major</b> BS2470:03 Evolution <i>PREREQ: BZ1001 or BS1001 or BZ1005</i>	Select 3 credit points of subjects from <b>List 2 (Skills Subjects)</b> <i>* Recommended – EV2502:03 Introduction to Geographic Information Systems (BL4)</i>	<b>Molecular and Cell Biology Major</b> BM2330:03:03 Cell Biology: Signalling and Regulation <i>PREREQ: 18 credit points of level 1 subjects including BM1110</i>
	<b>Marine Biology Major</b> MB2050:03 Functional Biology of Marine Organisms <i>PREREQ: BZ1004 or BZ1007 or BS1007 or BZ1006</i>		<b>Molecular and Cell Biology Major</b> BM2310:03 Drugs: Triggering System Responses <i>PREREQ: BM1201</i>

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027	<p><b>Marine Biology Major</b>            MB3210:03 Life History and Evolution of Reef Corals (TR1)  <i>PREREQ: (SC2202 or SC2209 or BS2001 or BZ2001 or AG2001) and at least a result of CREDIT in MB2060 or BS2460</i></p> <p><b>OR</b></p> <p>MB3160:03 Evolution and Ecology of Reef Fishes (BLOCK 4)  <i>PREREQ: MB2050 and (MB2060 or BS2460) and a minimum mark of CREDIT in BS2470 or MB2070 (or MB5070 or equivalent) Prior Approval</i></p>	<p><b>Molecular and Cell Biology Major</b>            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><b>OR</b></p> <p>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><b>Marine Biology Major</b>            MB3050:03 Biological Oceanography  <i>PREREQ: (BS1007 or BZ1007) and MB2050 and (SC2202 or SC2209 or BS2001 or BZ2001)</i></p>	<p><b>BLOCK 3 (May-Jun)</b></p> <p><b>Marine Biology Major</b>            MB3270:03 Wetland and Estuarine Ecosystems (BLOCK 3)  <i>PREREQ: BS1007 or BZ1007 and (MB2050 or BS2460) and (SC2202 or SC2209 or BS2001 or BZ2001)</i></p> <p><b>OR</b></p> <p>MB3190:03 Coral Reef Ecology (TR3)  <i>PREREQ: Result of CREDIT or higher in MB2060 or BS2460</i></p>	<p><b>Molecular and Cell Biology Major</b>            BM3330:03 Synthetic Biology and Bioengineering  <i>PREREQ: BM1201 and BM2230</i></p>
	<p><b>Molecular and Cell Biology Major</b>            BM3130:03 Genes, Genomes, and Development  <i>PREREQ: BM2230</i></p>		<p>Select 3 credit points of any Level 1, 2, 3 or 5 subjects</p>

**COURSE HANDBOOK**

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[Marine Biology Major](#)

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