

Bachelor of Advanced Science (Aquaculture Science and Technology) & (Zoology and Ecology)

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 you are receiving US Federal Aid, there are further compliance considerations. Please contact financialaid@jcu.edu.au to confirm compliance of your subject selections.

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](#)).

Your plan may include subjects labelled with ****Intensive on-campus requirements***. These subjects involve mandatory on-campus or fieldwork attendance with extended hours over a dedicated face-to-face period. Please check the face-to-face dates for the subject in the [subject handbook](#) and do not enrol in subjects with overlapping face-to-face dates. For more information, see the CSE Student Guide to Succeeding in Trimester 2 Intensives on the CSE [Student Resources](#) webpage.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2026			Aquaculture Science and Technology Major BS1001:03 Introduction to Biological Processes
			Zoology and Ecology Major Select 3 credit points of subjects from List 1 (Breadth Subjects)
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	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027	MA1000:03 Mathematical Foundations <i>PREREQ: MA1020 OR MA0020 OR BR0202 OR High School Senior Mathematics Equivalent</i>	MA1003:03 Mathematical Techniques <i>PREREQ: MA1000 OR MA1011 OR MA1009</i>	SC1109:03 Modelling Natural Systems-Advanced <i>PREREQ: MA1000 or MA1009</i>
	SC1101:03 Science, Technology and Truth	CH1020:03 Preparatory Chemistry (any Level 1, 2, 3 or 5 subject if already satisfied via previous study)	Aquaculture Science and Technology Major MI2031:03 Diagnosis of Bacterial Diseases in Aquaculture
	Aquaculture Science and Technology Major BS1007:03 Introduction to Biodiversity		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>

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2028	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>	Aquaculture Science and Technology Major AQ3015:03 Sustainable Aquaculture <i>*Intensive on-campus requirements</i> <i>PREREQ: 12 credit points of level 2 subjects</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>
	Aquaculture Science and Technology Major AQ2001 :03 Introduction to Aquaculture <i>PREREQ: 12 credit points of Level 1 science BS, BZ, CH, EA, EV, MA, MB, PH or SC subjects.</i>	Zoology and Ecology Major BZ2490:03 Toolkit for the Field Biologist <i>*Intensive on-campus requirements</i> <i>PREREQ: SC2202 or SC2209 or SC5202 or SC5502</i>	Select 3 credit points of subjects from List 1 (Advanced Skill Subjects)
	Aquaculture Science and Technology Major BS2470:03 Evolution <i>PREREQ: BZ1001 OR BS1001 OR BZ1005</i>	Zoology and Ecology Major Select 3 credit points of any Level 1, 2, 3 or 5 subjects	

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2029	<p>Aquaculture Science and Technology Major</p> <p>AQ3002:03 Aquaculture: Feeds and Nutrition</p> <p><i>PREREQ: 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.</i></p>	<p>Zoology and Ecology Major</p> <p>BZ3745:03 Tropical Entomology (TR2)</p> <p><i>*Intensive on-campus requirements</i></p> <p><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>OR</p> <p>BZ3061:03 Behavioural Ecology (TR1)</p> <p><i>PREREQ: 6 credit points of Level 2 Science subjects</i></p>	
	<p>Aquaculture Science and Technology Major</p> <p>AQ3003:03 Aquaculture: Propagation (TR1)</p> <p><i>PREREQ: AQ2001 and 12 credit points of Level 2 science AQ, BC, BS, BZ, CH, EA, EV, MA, MB, PH, or SC subjects.</i></p> <p>OR</p> <p>AQ3004:03 Aquaculture: Stock Improvement (TR2)</p> <p><i>*Intensive on-campus requirements</i></p> <p><i>PREREQ: 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</i></p>	<p>Zoology and Ecology Major</p> <p>BZ3230:03 Ecological Research Methods</p> <p><i>*Intensive on-campus requirements</i></p> <p><i>PREREQ: (SC2202 or SC2209 or BS2001 or BZ2001) and (BS2460 or BZ2490 or BZ2440 or BZ2880)</i></p> <p>OR</p> <p>BZ3001:03 Field Studies in the Equatorial Tropics: Borneo</p> <p><i>*Intensive on-campus requirements</i></p> <p><i>PREREQ: (SC2202 or SC2209 or BS2001 or BZ2001) and (BS2460 or BZ2490 or BZ2440 or BZ2880)</i></p> <p><i>Prior Approval</i></p>	
	<p>Zoology and Ecology Major</p> <p>BZ3220:03 Population and Community Ecology</p> <p><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>		

COURSE HANDBOOK

[Bachelor of Advanced Science](#)

[Aquaculture Science and Technology Major](#)

[Zoology and Ecology Major](#)