# Bachelor of Advanced Science

Aquaculture Science and Technology & Marine Biology

**2027 ENTRY**

## Useful study planning / enrolment resources

| | | | |
|---|---|---|---|
| Course and Subject Handbook | Academic Calendars | Class Registration | Enrolment Resources |

**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 (JCU STUDY AREA GUIDE — College of Science & Engineering).

**Intensive on-campus requirements:** Subjects labelled with *Intensive on-campus requirements 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.

### How to read this planner

**PREREQ** Prerequisite information **ONLINE** Online offering **PLACEMENT** Placement requirement **INTENSIVE** Intensive on-campus requirement

## 2027

| TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3 |
|---|---|---|
| MA1000:03 Mathematical Foundations<br>**PREREQ:** MA1020 or MA0020 or BR0202 or High school subjects: Mathematical Methods or Specialist Mathematics (or equivalent such as Maths B or Maths C)<br>Offered TR1, TR2 | *CH1020:03 Preparatory Chemistry<br>Offered TR1, TR2<br>**OR**<br>Any Level 1, 2, 3 or 5 subject if already satisfied via previous study | SC1109:03 Modelling Natural Systems-Advanced<br>**PREREQ:** MA1000 or MA1009 |
| SC1101:03 Science, Technology and Truth | MA1003:03 Mathematical Techniques<br>**PREREQ:** MA1000 or MA1011 or MA1009<br>Offered TR2, TR3 | **Aquaculture Science and Technology Major**<br>BS1001:03 Introduction to Biological Processes |
| **Aquaculture Science and Technology Major**<br>BS1007:03 Introduction to Biodiversity | | **Marine Biology Major**<br>Select 3 credit points of **List 1**<br>**Breadth Subjects** |

*If you have satisfied the Chemistry requirement via previous study, please contact enrolments@jcu.edu.au.

## 2028

| TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3 |
|---|---|---|
| SC2209:03 Quantitative Methods in Science-Advanced<br>**PREREQ:** MA1003 and (SC1109 plus 6 credit points of other Level 1 subjects) or admission in 116409 | **Aquaculture Science and Technology Major**<br>AQ3015:03 Sustainable Aquaculture<br>**PREREQ:** At least 6 credit points of Level 2 AQ, BC, BZ, CH, EA, EV, MA, MB, MI, PH, SC or TV science subjects including 3 credit points of level 2 aquaculture subjects. | **Aquaculture Science and Technology Major**<br>MI2031:03 Diagnosis of Bacterial Diseases in Aquaculture<br>***Subject Quota** |
| **Aquaculture Science and Technology Major**<br>AQ2001:03 Introduction to Aquaculture<br>**PREREQ:** At least 6 credit points of Level 1 science BS, BZ, CH, EA, EV, MA, MB, PH, SC or TV subjects. | **Aquaculture Science and Technology Major**<br>**Major**<br>AQ3003:03 Aquaculture: Propagation<br>***Subject Quota**<br>**PREREQ:** AQ2001 AND at least 6 credit points of Level 2 science AQ, BC, BS, BZ, CH, EA, EV, MA, MB, PH, SC or TV subjects.<br>**Only offered in odd years in TR1**<br>**OR**<br>AQ3004:03 Aquaculture: Stock Improvement<br>**PREREQ:** At least 6 credit points of Level 2 AQ, BC, BZ, CH, EA, EV, MA, MB, MI, PH, SC or TV science subjects including 3 credit points of level 2 aquaculture subjects.<br>**Only offered in even years in TR2**<br>INTENSIVE | **Marine Biology Major**<br>BS2460:03 Fundamentals of Ecology<br>**PREREQ:** 6 credit points of level 1 or 2 BZ/BS or EV subjects |
| **Marine Biology Major**<br>MB2050:03 Functional Biology of Marine Organisms<br>**PREREQ:** ZL1001 or BZ1004 or AG1004 or BZ1007 or BS1007 or BZ1006 | | **Marine Biology Major**<br>Select 3 credit points of **List 1**<br>**Breadth Subjects** |

## 2029

| TRIMESTER 1 | TRIMESTER 2 | TRIMESTER 3 |
|---|---|---|
| **Aquaculture Science and Technology Major**<br>AQ3002:03 Aquaculture: Feeds and Nutrition<br>**PREREQ:** At least 6 credit points of Level 2 AQ, BC, BZ, CH, EA, EV, MA, MB, MI, PH, SC or TV science subjects including 3 credit points of level 2 aquaculture subjects. | Select 3 credit points of subjects from **List 1 (Advanced Skills Subjects)** | SC3003:03 Science Research Internship<br>**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<br>**OR**<br>SC3008:03 Professional Placement<br>**PREREQ:** Students must have successfully completed 12 second year credit points. |
| **Aquaculture Science and Technology Major**<br>BS2470:03 Evolution<br>**PREREQ:** BZ1001 or BS1001 or BZ1005 | **Marine Biology Major**<br>MB3210:03 Life History and Evolution of Reef Corals<br>**PREREQ:** (SC2202 or SC2209 or BS2001 or BZ2001 or AG2001) and Prior Approval<br>Offered in TR1<br>**OR**<br>MB3160:03 Evolution and Ecology of Reef Fishes<br>**PREREQ:** MB2050 and Prior Approval<br>**INTENSIVE**<br>Offered in TR2 | **Marine Biology Major**<br>Select 3 credit points of Level 1, 2, 3, or 5 subjects |
| **Marine Biology Major**<br>MB3050:03 Biological Oceanography<br>**PREREQ:** (BS1007 or BZ1007) and MB2050 and (SC2202 or SC2209 or BS2001 or BZ2001) | **Marine Biology Major**<br>MB3270:03 Coastal, Estuarine and Mangrove Ecosystems<br>**PREREQ:** BS1007 or BZ1007 and (MB2050 or BS2460) and (SC2202 or SC2209 or BS2001 or BZ2001)<br>**INTENSIVE**<br>**OR**<br>MB3190:03 Coral Reef Ecology<br>**PREREQ:** Prior Approval<br>Offered in TR3 | |

## Course handbook

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|---|---|
| Bachelor of Advanced Science | Aquaculture Science and Technology Major<br>Marine Biology Major |

## Course Notes

*Subject Quota
Some subjects have a maximum number of students that can be enrolled at one time, known as a 'subject quota'. If you are unable to enrol in one of your chosen subjects because the quota has been reached, you should contact the Student Centre to discuss alternatives.

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| **Award Title** | Bachelor of Advanced Science |
| **Abbreviation** | BAdvSc |
| **Credit Points** | 72 |
| **AQF Level** | Level 7 – Bachelor Degree |
| **Location** | Townsville Bebegu Yumba, Cairns Nguma-bada |
| **Division** | Academy |
| **College** | College of Science and Engineering |
| **Expected Time to Complete** | 3 Years |
| **Maximum Time to Complete** | 9 Years |
| **Maximum Leave of Absence** | 3 Years |
| **CRICOS Code** | 092515M |