

Bachelor of Advanced Science (Marine Biology) – Cairns – 2020 Beginning of Year Entry

First year of study may be completed in Cairns

Teaching Period 1, 2020		Teaching Period 2, 2020	
Study Period 1	SC1101 :03 Science, Technology and Truth	Study Period 2	SC1109 :03 Modelling Natural Systems-Advanced PREREQ: MA1000 or MA1009, allow concurrent enrolment for MA1009
Study Period 1	MA1000 :03 Mathematical Foundations PREREQ: MA1020 or Mathematics B or Maths C	Study Period 2	MA1003 :03 Mathematical Techniques PREREQ: MA1000 or MA1011 or MA1009
Study Period 1	First Major Subject BZ1006 :03 Diversity of Life	Study Period 2	First Major Subject BZ1005 :03 Introductory Ecology
Study Period 1	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)

Second year of study onwards must be completed in Townsville

Teaching Period 1, 2021		Teaching Period 2, 2021	
Study Period 1	SC2209 :03 Quantitative Methods in Science-Advanced PREREQ: SC1109 and MA1003 plus 6cp of other Level 1 subjects	Study Period 2	First Major Subject BS2460 :03 Fundamentals of Ecology PREREQ: 6cp of Level 1 or 2 BZ/BS or EV subjects
Study Period 1	First Major Subject BS2470 :03 Evolution PREREQ: BZ1001 or BS1001 or BZ1005	Study Period 2	Select 3 credit points of subjects from List 1 (Skill subjects)
Study Period 1	First Major Subject MB2050 :03 Functional Biology of Marine Organisms PREREQ: ZL1001 or BZ1004 or AG1004 or BZ1007 or BS1007 or BZ1006	Study Period 2	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)
Study Period 1	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)

Teaching Period 1, 2022		Teaching Period 2, 2022	
Study Period 1/2	<p>SC3003:03 Science Research Internship PREREQ: 15cp of AQ,BC,BZ,CH,EV,EA,MA,MB or PH Science Level 2 subjects</p> <p>OR</p> <p>SC3008:03 Professional Placement PREREQ: students must have successfully completed 12 second year credit points and be enrolled in their final year of study within the College of Science and Engineering</p>	Study Period 2	Select 3 credit points of subjects from List 2 (Advanced Skill Subjects)
Study Period 1	<p>First Major Subject</p> <p>MB3210:03 Life History and Evolution of Reef Corals PREREQ: (SC2202 or SC2209 or BS2001 or BZ2001 or AG2001) and at least a result of Credit in MB2060 or BS2460 ASSUMED KNOWLEDGE: Students enrolling in this subject should have a good understanding of biometrics, ecological principles and invertebrate biology.</p> <p>OR</p> <p>MB3160:03 Evolution and Ecology of Reef Fishes PREREQ: MB2050 and (MB2060 or BS2460) and a minimum mark of CREDIT in BS2470 or MB2070 (or MB5070 or equivalent) ASSUMED KNOWLEDGE: Students enrolling in this subject should have a good understanding of evolutionary biology and biogeography of marine organisms (eg MB2070) and vertebrate anatomy (eg BS1007). A basic knowledge of the ecology of marine systems (eg MB2050, MB2060 OR BS2460) is also necessary.</p>	Study Period 2	<p>First Major Subject</p> <p>MB3190:03 Coral Reef Ecology PREREQ: Credit or better in MB2060 or BS2460. Prior approval needed ASSUMED KNOWLEDGE: Students enrolling in this subject should have a good understanding of general biology and ecology (not necessarily for coral reef organisms), an ability to manipulate data and conduct basic statistical analyses (including ANOVA, Chi-square, and Regression analyses), and comprehensive understanding of major considerations for designing ecological sampling programs and experiments.</p> <p>OR</p> <p>MB3270:03 Coastal, Estuarine and Mangrove Ecosystems PREREQ: BS1007 or BZ1007 or MB2050 or SC2202 or SC2209 or BS2001 or BZ2001 ASSUMED KNOWLEDGE: Students enrolling in this subject should have an excellent understanding of level 2 science particularly ecological principles (MB2050 or BS2460 or equivalents) and must have completed SC2202 or SC2209 or MB2050 or equivalent.</p>
Study Period 1	<p>First Major Subject</p> <p>MB3050:03 Biological Oceanography PREREQ: BS1007 or BZ1007, and MB2050, and SC2202 or SC2209 or BS2001 or BZ2001</p>	Study Period 2	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)
Study Period 1	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)

ADDITIONAL COURSE RULES

- A maximum of 30 credit points may be taken at level 1.
- A minimum of 18 credit points of science subjects must be taken at level 3 or higher.
- Students may seek permission to enrol in more than one level 5 subject.

COURSE PROGRESSION REQUISITES

- Should successfully complete 18 credit points of level 2 science subjects before attempting any level 5 science subject.

ADDITIONAL INFORMATION

- [Bachelor of Advanced Science course handbook](#)
- [Marine Biology major handbook](#)