JAMES COOK UNIVERSITY AUSTRALIA

The information provided is designed to provide helpful information on your study plan. Changes to subject information after this time may affect your study plan. Please refer to the enrolment resources for up to date information.

Bachelor of Advanced Science (Aquaculture Science and Technology) 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**
Study Period 1	MA1000:03 Mathematical Foundations **PREREQ: MA1020 or Mathematics B or Mathematics C**	Study Period 2	MA1003:03 Mathematical Techniques **PREREQ: MA1000 or MA1011 or MA1009**
Study Period 1	**First Major Subject** BZ1006:03 The 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	Select 3cp of subjects from List 1 (Skill subjects)
Study Period 1	**First Major Subject** AQ2001:03 Introduction to Aquaculture **PREREQ: At least 12cp of Level 1 Science BZ, CH, EA, EV, MA, MB, PH or SC subjects**	Study Period 2	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)
Study Period 1	**First Major Subject** BZ2470:03 Evolution **PREREQ: BZ1001 or BS1001 or BZ1005**	Study Period 2	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)
Study Period 1	**First Major Subject** MI2031:03 Marine Microbiology	Study Period 2	Second Major Subject/Minor Subject/Elective Subject (depending on chosen structure)

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Teaching Period 1, 2022		Teaching Period 2, 2022	
Study Period 3	**First Major Subject** AQ3015:03 Sustainable Aquaculture **PREREQ: 12cp of Level 2 subjects**	Study Period 7/10	**First Major Subject** AQ3003:03 Aquaculture: Propagation **PREREQ: At least 12cp of Level 2 Science AQ, BC, BZ, CH, EA, EV, MA, MB or PH subjects** **OR** AQ3004:03 Aquaculture: Stock Improvement **PREREQ: At least 12cp of Level 2 AQ, BC, BZ, CH, EA, EV, MA, MB or PH Science subjects and 3cp of Level 2 Aquaculture subjects.**
Study Period 1	SC3003:03 Science Research Internship **PREREQ: 15cp of AQ, BC, BZ, CH, EV, EA, MA, MB or PH science level 2 subjects** **OR** 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**	Study Period 2	Select 3cp of subjects from List 2 (Advanced Skill Subjects)
Study Period 1	**First Major Subject** AQ3002:03 Aquaculture: Feeds and Nutrition **PREREQ: At least 12cp of Level 2 AQ, BC, BZ, BS, BZ, CH, EA, EV, MA, MB or PH Science subjects and 3cp of Level 2 Aquaculture subjects.** **Assumed Knowledge: Should have completed SC2202 or SC2209 and AQ2001 or equivalent. A basic background in Chemistry is highly recommended**	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)

PROFESSIONAL ACCREDITATION STATUS

The Physics major for the Bachelor of Advanced Science will be seeking accreditation by the Australian Institute of Physics (AIP) in 2019. Once accredited, graduates will be automatically eligible for membership of the Australian Institute of Physics.

The Chemistry major for this course is accredited by the Royal Australian Chemical Institute (RACI). Graduates will be eligible for non-corporate membership of RACI and, with an additional three years' experience in chemistry, may be eligible to register as a Chartered Chemist with Corporate Membership of RACI.

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
Aquaculture Science and Technology major handbook