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.

RECOMMENDED STUDY PLAN 2022

DEGREE Bachelor of Advanced Science MAJOR Zoology and Ecology (ZAE)

NAME _____ MAJOR Choose a second major*

*NOTE-This second major study plan should NOT be used to map either Aquaculture or Marine Biology. Both of these two majors will have specific second major study plans that should be used instead.

To assist you with subject information, we recommend you consult with your CSE Course/Major Advisor and refer to Subject Search. If you would prefer a part-time study plan, please adjust the below planner, reviewing subject prerequisites to ensure you are on track for course completion.

	Study Period 1 - SP1	Study Period 2 - SP2
Year 1	**Degree Core:** SC1101 Science Technology and Truth	**Degree Core:** SC1109 Modelling Natural Systems-Advanced **PREREQ: MA1000 OR MA1009**
	Degree Core: MA1000 Mathematical Foundations **PREREQ: MA1020 OR MATHEMATICS B OR MATHS C**	**Degree Core:** MA1003 Mathematical Techniques **PREREQ: MA1000 OR MA1011 OR MA1009**
	Major Core: BS1007 Introduction to Biodiversity	**Major Core:** BS1001 Introduction to Biological Processes
	Students who have not completed High School Chemistry (or equivalent) must take **Degree Core:** CH1020 Preparatory Chemistry# *#This subject is equivalent to chemistry from high school.* **OR** **Elective -** *if student has completed high school level Chemistry or equivalent*	**Major Core:**

	Study Period 1 - SP1	Study Period 2 - SP2
Year 2	SC2209 Quantitative Methods in Science-Advanced **PREREQ: SC1109 AND MA1003 PLUS 6CP OF OTHER LEVEL 1 SUBJECTS**	**Major Core:** BS2460 Fundamentals of Ecology **PREREQ: 6CP LEVEL 1 OR 2 BZ/BS OR EV SUBJECTS**
	Major Core: BS2470 Evolution **PREREQ: BS1001**	**Major Core:**
	Major Core:	**Major Core:**
	Major Core:	

SP7 (Jun-Jul)
Major Core: BZ2490 Toolkit for the Field Biologist **PREREQ: SC2202/SC2209**

Year 3	Study Period 1 - SP1	Study Period 2 - SP2
	Degree Option Core: SC3008 Professional Placement **PREREQ: COMPLETED 12CP SECOND YEAR SUBJECTS** **OR** SC3003 Science Research Internship **PREREQ: 15CP OF AQ, BC, BS, BZ, CH, EV, EA, MA, MB, PH OR SC SCIENCE LEVEL 2 SUBJECTS** *All available in multiple study periods*	
	Degree Core List 1: Advanced Skill Subjects	
	Major Core:	**Major Option Core:** BZ3061 Behavioural Ecology (SP2) **PREREQ: SC2202/SC2209 AND 6CP LEVEL 2 SCIENCE** **OR** BZ3745 – Tropical Entomology (SP3) - *CNS ONLY* **PREREQ: SC2202/SC2209 /SC5202 AND BS1007**
	Major Core:	**Major Core:** BZ3220 Population and Community Ecology **PREREQ: SC2202/SC2209 /SC5202 AND BS2460 OR 3CP LEVEL 2 BZ**
	Major Core:	

SP10 (Nov-Feb)
Major Option Core: BZ3230 Ecological Research Methods **PREREQ: SC2202/SC2209 AND (BS2460 OR BZ2880)** **OR** BZ3001 Field Studies in the Equatorial Tropics: Borneo **ASSUMED KNOWLEDGE – students should have a statistics subject equivalent to SC2202/SC2209 AND an ecology subject equivalent to BS2460.**

Further Degree Options:

Degree Core List 1: Advanced Skill Subjects	
Study Period 1 – SP1	**Study Period 2 – SP2**
BS5260 Modelling Ecological Dynamics	BC5203 Advanced Bioinformatics
MA2000 Mathematics for Scientists and Engineers	SC5502 Design and Analyses in Ecological Studies
EA5409 Mineralogy and Geophysics – Not currently offered	CH5002 Research Skills and Communication in Chemistry (Adv)
	PH5014 Research Skills and Communication in Physics (Advanced) – Not currently offered

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.

ADDITIONAL COURSE REQUIREMENTS

Some majors require attendance in intensive or mixed mode attendance subjects on either the Townsville or Cairns campus. If students must attend intensive mode classes at a campus other than the one they are enrolled at, they are responsible for their own expenses.

COURSE PROGRESSION REQUISITES

Must 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
Zoology and Ecology major handbook