

## RECOMMENDED STUDY PLAN

2022

DEGREE Bachelor of Science MAJOR Zoology & 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
<b>Year 1</b>	<b>Degree Core:</b> <u>SC1101</u> Science Technology and Truth	<b>Degree Option Core</b> <u>SC1102</u> Modelling Natural Systems PREREQ: MA1020 <b>OR</b> <u>SC1109</u> Modelling Natural Systems-Advanced^ PREREQ: MA1000 OR MA1009
	Students who have not completed High School Maths Methods (or equivalent) must take <b>Degree Core:</b> <u>MA1020</u> Preparatory Math* *This subject is equivalent to QLD-Maths Methods from high school.  <b>OR</b> <b>Elective - if student has completed high school level Maths Methods or equivalent</b>	Students who have not completed High School Chemistry (or equivalent) must take <b>Degree Core:</b> <u>CH1020</u> Preparatory Chemistry# #This subject is equivalent to chemistry from high school.  <b>OR</b> <b>Elective - if student has completed high school level Chemistry or equivalent</b>
	<b>Major Core:</b> <u>BS1007</u> Introduction to Biodiversity	<b>Major Core:</b> <u>BS1001</u> Introduction to Biological Processes
	<b>Major Core:</b>	<b>Major Core:</b>

^ Note- SC1109 is compulsory in the Advanced BSc Program and should be taken instead of SC1102 if you are considering that pathway.

Year 2	Study Period 1 - SP1	Study Period 2 - SP2	
	<b>Degree Option Core:</b> <u>SC2202</u> Quantitative Methods in Science PREREQ: SC1102 OR MA1020 OR MA1000 OR MATHS B OR EQUIVALENT <b>OR</b> <u>SC2209</u> Quantitative Methods in Science-Advanced PREREQ: SC1109 AND MA1003 PLUS 6CP OF OTHER LEVEL 1 SUBJECTS	<b>Degree Core Skill-List 2:</b> <i>Subjects available across a number of study periods/trimesters, see list for full availabilities.</i>	
	<b>Major Core:</b> <u>BS2470</u> Evolution PREREQ: BS1001	<b>Major Core:</b> <u>BS2460</u> Fundamentals of Ecology PREREQ: 6CP OF LEVEL 1 SUBJECTS OR 2 BS/BZ/EV SUBJECTS	
	<b>Major Core:</b>	<b>Major Core:</b>	
	<b>Major Core:</b>		

<b>SP7 (Jun-Jul)</b>
<b>Major Core:</b> <u>BZ2490</u> Toolkit for the Field Biologist PREREQ: SC2202/SC2209

Year 3	Study Period 1 - SP1	Study Period 2 - SP2
	<b>Degree Option Core:</b> <u>SC3008</u> Professional Placement PREREQ: COMPLETED 12CP SECOND YEAR SUBJECTS AND BE ENROLLED IN THEIR FINAL YEAR OF STUDY <b>OR</b> <u>SC5008</u> Professional Placement – <i>Prior approval required</i> <b>OR</b> <u>SC3901</u> Special Topic 1– <i>Prior approval required</i> <i>All available in multiple study periods</i>	
	<b>Major Core:</b>	<b>Major Option Core:</b> <u>BZ3061</u> Behavioural Ecology (SP2) PREREQ: SC2202/SC2209 AND 6CP LEVEL 2 SCIENCE <b>OR</b> <u>BZ3745</u> – Tropical Entomology (SP3) - <i>CNS ONLY</i> PREREQ: SC2202/SC2209 /SC5202 AND BS1007
	<b>Major Core:</b>	<b>Major Core:</b> <u>BZ3220</u> Population and Community Ecology PREREQ: SC2202/SC2209 /SC5202 AND BS2460 OR 3CP LEVEL 2 BZ
<b>Major Core:</b>	Elective	

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

**Further Degree Options:**

<b>Skill-List 2:</b>	
<b>Study Period 1 – SP1</b>	<b>Study Period 2 – SP2</b>
<u>MA2000</u> Mathematics for Scientists and Engineers PREREQ: MA1003	<u>CH2103</u> Analytical Chemistry – <i>TSV only</i> PREREQ: CH1001 OR CH1011
<u>MA2830</u> Data Visualisation	<u>EV2502</u> Introduction to Geographic Information Systems PREREQ: 12CP LEVEL 1 SUBJECTS
<u>SC3010</u> Sensors and Sensing for Scientists PREREQ: SC2202/SC2209	<u>MA2210</u> Linear Algebra PREREQ: MA1003
<b>Trimester 3 (Sept-Dec)</b>	
<u>CP2404</u> Database Modelling	

**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 1 and 2 science subjects before attempting any Level 3 science subject

**COURSE INCLUDES MANDATORY PROFESSIONAL PLACEMENT(S)**

Yes

**ADDITIONAL INFORMATION**

[Bachelor of Science course handbook](#)

[Zoology & Ecology major handbook](#)