

## RECOMMENDED STUDY PLAN

Mid-Year Entry 2021

DEGREE Bachelor of Science

MAJOR Zoology & Ecology (ZAE)

NAME \_\_\_\_\_

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.

The College of Science and Engineering has implemented screening testing in this degree so that students who are suitably qualified can replace core preparatory subjects with elective subjects. The screening tests **must** be completed even if Senior Chemistry or Maths Methods (or equivalent) have been studied at secondary school.

Year 1	MID-YEAR ENTRY	Study Period 2 - SP2
		<b>Degree Core:</b> <u>CH1020</u> Preparatory Chemistry # # This core subject may be replaced by an elective if you pass the chemistry screening test (held during orientation week). The screening test needs to be completed even if Senior Chemistry (or equivalent) has been studied at secondary school.
		<b>Degree Core:</b> <u>MA1020</u> Preparatory Math* * This core subject may be replaced by an elective if you pass the maths screening test (held during orientation week). The screening test needs to be completed even if Maths Methods (or equivalent) has been studied at secondary school.
		<b>Degree Opt Core Breadth-List 1:</b>
		<b>Major Core:</b> <u>BS1001</u> Introduction to Biological Processes

Year 2	Study Period 1 - SP1	Study Period 2 - SP2
	<b>Degree Core:</b> <u>SC1101</u> Science Technology and Truth	<b>Degree Opt Core</b> <u>SC1102</u> Modelling Natural Systems PREREQ: MA1020 <b>OR</b> <u>SC1109</u> Modelling Natural Systems-Advanced^ PREREQ: MA1000 OR MA1009
	<b>Degree Opt Core Breadth-List 1:</b>	<b>Degree Opt Core Skill-List 2:</b>
	<b>Major Core:</b> <u>BS1007</u> Introduction to Biodiversity – TSV only <b>OR</b> <u>BZ1006</u> Diversity of Life – CNS only	<b>Major Core:</b> <u>BS2460</u> Fundamentals of Ecology PREREQ: 6CP LEVEL 1 OR 2 BZ/BS OR EV SUBJECTS
	<b>Major Core:</b> <u>BS2470</u> Evolution PREREQ: BS1001	<b>Elective/Minor/2<sup>nd</sup> Major:</b>

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

Year 3	Study Period 1 - SP1		Study Period 2 - SP2			
	<b>Degree Core:</b> <u>SC2202</u> Quantitative Methods in Science PREREQ: SC1102 OR MA1020 OR MATH 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>Major Core:</b> <u>BZ3061</u> Behavioural Ecology (SP2) PREREQ: 6CP OF LEVEL 1 SUBJECTS <b>OR</b> <u>BZ3745</u> Tropical Entomology (SP3) – <i>CNS ONLY</i> PREREQ: SC2202/SC2209 AND BS1007			
	Elective/Minor/2 <sup>nd</sup> Major:		<b>Major Core:</b> <u>BZ3220</u> Population and Community Ecology PREREQ: 6CP OF LEVEL 1 SUBJECTS			
	Elective/Minor/2 <sup>nd</sup> Major:		Elective/Minor/2 <sup>nd</sup> Major:			
			SP7 (Jun-Jul)		SP10 (Nov-Feb)	
			<b>Major Core:</b> <u>BZ2490</u> Toolkit for the Field Biologist PREREQ: SC2202/SC2209		<b>Major 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	

Year 4	Study Period 1 - SP1	MID-YEAR COMPLETION
	Degree Core: <u>SC3008</u> Professional Placement - <i>available any SP</i>	
	Degree Core: <u>SC3010</u> Sensors and Sensing for Scientists PREREQ: SC2202/SC2209	
	Elective/Minor/2 <sup>nd</sup> Major:	
	Elective/Minor/2 <sup>nd</sup> Major:	

## Further Degree Options:

<b>Breadth-List 1:</b>	
<b>Study Period 1 – SP1</b>	<b>Study Period 2 – SP2</b>
<p><u>CP1401</u> Problem Solving and Programming I  <b>OR</b>  <u>CP1404</u> Programming II  <b>PREREQ:</b> CP1801 OR CP1401 OR CP1200 OR EG1002 OR CP2200 OR SC1201  <i>both subjects available in SP1 and SP2 **</i></p>	
<u>BM1000</u> Introductory Biochemistry and Microbiology – TSV only <b>PREREQ:</b> CH1020 OR SENIOR CHEMISTRY	<u>CH1002</u> Chemistry: Principles & Applications – TSV only <b>PREREQ:</b> CH1001 OR CH1011
<u>CH1001</u> Chemistry: A Central Science <b>PREREQ:</b> CH1020 OR EG1010 OR SENIOR CHEMISTRY	<u>EA1110</u> Evolution of the Earth
<u>EG1000</u> Engineering 1	<u>MA1003</u> Mathematical Techniques <b>PREREQ:</b> MA1000 OR MA1011 OR MA1009
<u>EV1005</u> Environmental Processes & Global Change	<u>PH1007</u> Advanced Stream Physics 2 – TSV only <b>PREREQ:</b> ((MATHS B OR EQUIVALENT OR MA1020) AND PH1005) OR (PHYSICS AND MATHS C)
<u>MA1000</u> Mathematical Foundations <b>PREREQ:</b> MA1020 OR MATHEMATICS B OR MATHS C	
<u>PH1005</u> Advanced Stream Physics 1 <b>PREREQ:</b> Maths B OR MA1020 OR MA1000 OR MA1008.	

**\*\*CP1404 has been added to the structure from 2019. We would prefer if you would take CP1404.**

<b>Skill-List 2:</b>	
<b>Study Period 1 – SP1</b>	<b>Study Period 2 – SP2</b>
<u>CP2404</u> Database Modelling	<u>EV2502</u> Introduction to Geographic Information Systems <b>PREREQ:</b> 12CP LEVEL 1 SUBJECTS
	<u>MA2210</u> Linear Algebra <b>PREREQ:</b> MA1003
	<u>CH2103</u> Analytical Chemistry – TSV only <b>PREREQ:</b> CH1001 OR CH1011