

## Master of Science (Professional) MAJOR (Tropical Biology and Conservation)

This study plan should be used as a general guide for your course. We recommend you consult with your <u>CSE</u> Course/Major Advisor and particularly if your intended enrolment varies from this plan.

The information in the study plan is current at the time of creation and may be subject to future change. If you would prefer a part-time study plan, please adjust the below study planner; reviewing subject prerequisites to ensure you are on track for course completion.

Useful study planning/enrolment resources:

To search for information on subjects: <u>Subject Search</u>
To register for your classes: <u>Class Registration</u>
For important dates check: <u>Academic Calendars</u>
Further enrolment resources: <u>Enrolment Resources</u>

	STUDY PERIOD 1	STUDY PERIOD 2
Year 1	Major BZ5215:03 Conservation Biology	Major BZ5061:03 Behavioural Ecology or BZ5235:03 Biological Invasions (SP1)
	Major Select 3 credit points of subjects from: BS5260:03 Modelling Ecological Dynamics (SP1) or BZ5450:03 Ecological & Conservation Genetics (SP2) or EV5110:03 Environmental and Social Impact Assessment (SP2) or EV5502:03 Advanced Geographic Information Systems (SP11) or EV5506:03 Remote Sensing (SP9)	Major SC5502:03 Design and Analyses in Ecological Studies ASSUMED KNOWLEDGE: Students must have a good understanding of STATISTICS which includes knowledge of basic probability, t-tests, ANOVA and ability to use R for data analysis (or have done the JCU R Bootcamp). SC5202 or SC2202 or SC2209 or equivalent industry experience.
	Elective Select 3 credit points of any level 5 AQ, BS, BZ, CH, CP, EA, EV, MA, MB, MI, SC or TV subjects	Major BZ5220:03 Population and Community Ecology or BZ5230:03 Ecological Research Methods (SP10)
	Elective Select 3 credit points of any level 5 AQ, BS, BZ, CH, CP, EA, EV, MA, MB, MI, SC or TV subjects	Elective Select 3 credit points of any level 5 AQ, BS, BZ, CH, CP, EA, EV, MA, MB, MI, SC or TV subjects



	STUDY PERIOD 1	STUDY PERIOD 2
Year 2	Major BZ5740:03 Wildlife Ecology and Management or BZ5745:03 Tropical Entomology (SP3)  Major SC5200:03 Career Planning (SP1 or SP2)  Major Select 3 credit points of subjects from List 1 Pgctubj Lisn	Course See Course Notes below regarding eligibility criteria for both options.  Select: Option 1 – Research Stream* (12cp) SC5912:06 Research Project (Part 1 of 2) SC5913:06 Research Project (Part 2 of 2)  OR Opti Option 2 – Professional Employability Stream** (12cp) SC5009:12 Postgraduate Internship



ASSUMED KNOWLEDGE: Same assumed knowledge as EA5044.	EA5640:03 Advanced Marine Geoscience Technologies and Applications ASSUMED KNOWLEDGE- It would be advantageous for students to have a basic understanding of GIS and be able to use R for data analysis (or have done the JCU R Bootcamp). EV5505 or EV2502 or will have acquired equivalent knowledge through industry experience.
EA5330:03 Introductory Outback Field Geology ASSUMED KNOWLEDGE: Students must have a basic understanding of EARTH SCIENCE which includes knowledge of rocks and minerals. EA1110 or will have acquired equivalent knowledge through industry experience.	EV5502:03 Advanced Geographic Information Systems  ASSUMED KNOWLEDGE: Students must have a good understanding of GIS which includes knowledge of cartography, coordinate systems, basic spatial analysis, geography and be able to use standard GIS software. EV5505 or EV2502 or will have acquired equivalent knowledge through industry experience.

## ADDITIONAL INFORMATION

\*To be eligible for the research stream, students must attain a GPA of 5.5 or above from their preceding 24 credit points of JCU level 5 subjects, or approval of the Course Coordinator

\*\*To be eligible for the professional stream, students must satisfactorily complete the pre-requisite subject SC5200 Professional Employability and at least 24 credit points of level 5 JCU subjects

## **COURSE HANDBOOK**

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Tropical Biology and Conservation Major