

RECOMMENDED STUDY PLAN

2022

DEGREE Graduate Diploma of Science

STREAM Environmental Management (ENM)

NAME _____

STUDENT NUMBER _____

Course information – Graduate Diploma of Science

This degree is structured such that students take sets of foundational '*knowledge*' specific subjects to their major, technical and / or analytical '*skills*' subjects, and *elective* subjects. Additionally all students take the core subject SC5200 Professional Employability.

Use this document to plan out what subjects you will take and when. Consult with your course advisor about the nature of subjects, research and internship pathways and any queries you may have. The course advisor for each stream in the program is listed here. When you are ready to enrol in subjects proceed to your eStudent account.

For more information relevant to the degree see the JCU Course handbook for the Graduate Diploma of Science.

Students wishing to take a semester long internship or research project need to transfer to the MSc Professional degree. This should be done before you start your JCU course. The following study plan is mirrored to the MSc Professional structure as a pathway towards completing that degree.

Environmental Management Stream (3) structure

1. Take the 2 of the following **Knowledge** subjects:
 - 1.1. EV5020 Human Dimensions of Nature, Environment and Conservation (SP3)
 - 1.2. EV5200 Natural Resource Management (SP2)
 - 1.3. EV5701 Coastal and Marine Management and Conservation (SP1)

2. Take these **Skills** subjects:
 - 2.1. SC5200 Professional Employability (SP1 OR SP2)
AND
 - 2.2. EV5110 Environmental and Social Impact Assessment

AND take 1 additional skill subject from List 1.

1. Take 3 **Elective** subjects
See recommendations for your stream below.

Full subject descriptions and timings of all subjects can be found online using the [Subject Search](#) tool. Use this tool to explore your subject options. Each subject is usually only offered once per year, in the 'study period' stated on Subject Search. It is generally recommended to take 8 subjects per year, with 3 or 4 in each main semester (Study Period 1 and 2), and additional subjects in the block mode (intensive) periods (SP3, SP7, SP10 /11) as necessary. JCU's academic calendar can be found [here](#)

Multiple subjects can be taken consecutively in a block mode period as long as the face to face teaching dates do not overlap. These dates are displayed on the Subject Search tool. For example a student can take AQ5015 in SP3 followed by MB5310.

Please note that timings of some subjects occasionally change among years, due to JCU's operational requirements. While such changes are rare, students should check when a subject is being taught using the Subject Search tool above.

For any subject you need to have fulfilled the 'Assumed Knowledge' and / or Pre-requisites before you take them. These are listed in the subject's description. For example, EV5502 assumes you have already taken EV5505 or an equivalent at JCU or at your previous university. Speak with your course advisor for more assistance on this.

Where a subject includes overnight field trips this is noted in the subject's description on [Subject Search](#). Additional fees apply to cover trip transport, accommodation, and food expenses for these field trips.

YOUR STUDY PLANNER

Fill in the cells below with your planned subjects. You can re-arrange when you take your skill and elective subjects contingent on when your preferred unit is taught. Aim to complete all your core & skill subjects in your first year of study. You will normally start your program in either SP1 or SP2, but can on request start in SP3 or SP7.

Year 1 Take 8 subjects (24 credit points) with approx. 4 subjects per 6 month Teaching Period

Teaching Period 1 (January – June)		Teaching Period 2 (July – December)		
Study Period 3 (Feb-Jun)	Study Period 1 (Feb-Jun)	Study Period 6 (May-Jul) Study Period 7 (Jun-Jul)	Study Period 2 (Jul-Nov)	Study Period 9 (Sept-Nov) Study Period 10 (Nov-Jan) Study Period 11 (Nov-Feb)
Stream Option: see table below for options	Degree Core: <u>SC5200</u> Professional Employability – available SP1 & SP2		Stream Core: <u>EV5110</u> Environmental and Social Impact Assessment	
	Stream Option: see table below for options		Elective:	
	List 1 (Skills) or Elective		Elective:	
	Elective:			

Notes: Blue are core knowledge subjects, Pink are skills subjects, White are electives. Timings of electives and skills subjects are suggestions.

July start

Year 1: Take 4 subjects (or 12 credit points) in teaching period 2.

Teaching Period 2 (July – December)	
Study Period 2 (Jul-Nov)	SP 9 (Sept-Nov) SP 10 (Nov-Jan) SP 11 (Nov-Feb)
Stream Core: <u>EV5110</u> Environmental and Social Impact Assessment	Elective:
Elective:	

Year 2: Take 12 credit points in teaching period 1.

Teaching Period 1 (January – June)		
SP 3 (Feb-Jun)	Study Period 1 (Feb-Jun)	SP 6 (May-Jul) SP 7 (Jun-Jul)
Stream Option: see table below for options	Degree Core: <u>SC5200</u> Professional Employability – available SP1 & SP2	Elective:
	Stream Option: see table below for options	
	List 1 (Skills) or Elective	

List 1. Skill Subjects

Subjects are available at both Townsville (TSV) and / or Cairns (CNS) campus as noted. Most of these subjects have pre-requisite or co-requisite subjects. Make sure you check and have fulfilled that requirement.

SP3 Jan – Feb	SP1 Feb - June	SP6 / SP7 June - July	SP2 July - Nov	SP9 Sept to Dec SP10 / 11 Nov - Dec
<u>EV5020:03</u> Human Dimensions of Nature, Environment and Conservation – CNS & TSV	<u>SC5202:03</u> Quantitative Methods in Science – CNS & TSV	<u>EA5330:03</u> Field Techniques – TSV <i>(For geology and earth sciences)</i>	<u>BC5203:03</u> Advanced Bioinformatics - TSV	<u>AQ5004:03</u> Aquaculture: Stock Improvement - TSV
	<u>BS5260:03</u> Modelling Ecological Dynamics – CNS & TSV	<u>EA5044:03</u> Geological Mapping – TSV <i>(co-req EA5045)</i>	<u>BZ5450:03</u> Ecological and Conservation Genetics - TSV	<u>EV5502:03</u> Advanced Geographic Information Systems – TSV
		<u>BZ5990:03</u> Toolkit for the Field Biologist - CNS & TSV <i>(for terrestrial students)</i>	<u>CH5203:03</u> Analytical Chemistry (Advanced) – TSV	<u>EV5506:03</u> Remote Sensing - CNS <i>(September start)</i>
		<u>EA5018:03</u> Field Studies in Tropical Land and Water Science - CNS	<u>EV5110:03</u> Environmental and Social Impact Assessment - CNS & TSV	<u>EA5640:03</u> Advanced Marine Geoscience Technologies and Applications - TSV
			<u>EV5505:03</u> Introduction to Geographic Information Systems - CNS & TSV	
			<u>MA5405:03</u> Data Mining - TSV	

Elective Subjects

You can take any Level 5 subject with a prefix subject code of: AQ, BS, BZ, CH, EA, EV, MA, MB, MI, SC or TV. Other subjects can also be approved by your advisor.

Use [Subject Search](#) to review the units and check the study period they are offered in.

TOPIC	STUDY PERIOD
<i>Marine and Coastal Resource Management</i>	
MB5310:03 Marine Reserves as Fisheries Management Tools	3
AQ5015:03 Sustainable Aquaculture	3
MB5003:03 Fisheries science	1
EV5406:03 Coral Reef Geomorphology	1
AQ5006:03 Aquaculture: Principles and Practices	1
EV5701:03 Coastal and Marine Management and Conservation	1
MB5204:03 Conserving Marine Wildlife: Sea Mammals, Birds and Reptiles	1
MB5004:03 Marine Conservation Biology	2
MB5270:03 Coastal, Estuarine and Mangrove Ecosystems	2
MB5190:03 Coral Reef Ecology	2
EV5401:03 Coastal and Catchment Geomorphology	2
MB5610:03 Fishing Gear and Technologies	2
MB5014:03 Managing Tropical Fisheries	11
MB5001:03 Tropical Marine Ecology and Coastal Impacts	11
<i>Terrestrial Resource Management</i>	
BZ5740:03 Wildlife Ecology and Management	1
EV5015:03 Sustainability in Practice	1
BZ5215:03 Conservation Biology	1
BZ5235:03 Biological Invasions	1
EV5200:03 Natural Resource Management	1
BZ5755:03 Climate Change and Biodiversity	7
BZ5620:03 Tropical Flora of Australia (Cairns)	7
BS5460:03 Fundamentals of Ecology	2
BZ5230:03 Ecological Research Methods	2 (Cairns) 10 (Townsville – TBA)
BZ5930:03 Conservation in a Changing World: Issues and Solutions	2
<i>Interdisciplinary Study</i>	
EV5015:03 Sustainability in Practice	1
EC5218:03 Economics and Sustainable Resource Management	Trimester 1
LA5902:03 Environmental Law and Policy	1
AN5006:03 Asia Pacific Development: Culture and Globalisation	2
EV5003:03 Environmental Economics	2
EV5404:03 Field Studies in Tropical Geography	11
<i>Only taught in even-numbered years.</i>	