

RECOMMENDED STUDY PLAN

2020-2021

NAME _____ STUDENT NUMBER _____

DEGREE PROGRAM **Master of Science-Professional** MAJOR **Environmental Management (MSC-ENM)**

Course information – Master of Science (Professional)

The Master of Science (Professional) degree is structured such that students take sets of (1) foundational '*knowledge*' specific to their major, (2) technical and / or analytical '*skills*' subjects (3) *elective* subjects and (4) a capstone *project* module.

Click here to see the relevant JCU Course handbook: <https://www.jcu.edu.au/course-and-subject-handbook/courses/postgraduate-courses/master-of-science-professional>

Environmental Management major structure:

1. Take 4 prescribed '*knowledge*' subjects
 - 1.1. [EV5107](#):03 International Environmental Policy and Governance
 - 1.2. [EV5020](#):03 Human Dimensions of Nature, Environment and Conservation
 - 1.3. [EV5200](#):03 Natural Resource Management¹ **OR** [EV5701](#):03 Managing Coastal and Marine Environments
 - 1.4. [EV5209](#):03 Principles and Practices of Protected Area Management
2. Take 4 '*skills*' subjects for your major
 - 2.1. [EV5110](#):03 Environmental and Social Impact Assessment
 - 2.2. Plus 1 of the following *advanced skills* subject
 - 2.2.1. [BS5260](#):03 Modelling Ecological Dynamics **or**
 - 2.2.2. [BZ5450](#):03 Ecological and Conservation Genetics **or**
 - 2.2.3. [EV5110](#):03 Environmental and Social Impact Assessment **or**
 - 2.2.4. [EV5502](#):03 Advanced Geographic Information Systems **or**
 - 2.2.5. [EV5506](#):03 Remote Sensing
 - 2.3. Plus 2 subjects from **List 1**
3. Take 4 *elective* subjects (see recommended electives list)
4. Take 12 credit points of *Professional Practice* (select a stream)
 - 4.1. Option 1- Research Stream **OR**
 - 4.2. Option 2- Professional Project Stream **OR**
 - 4.3. Option 3- combined Research & Professional Project Stream

Full subject descriptions and timings of all subjects can be found online using the [Subject Search](#) tool. It is generally recommended to take 8 subjects per year, with 3 - 4 in SP1 and SP2 and additional subjects in block mode periods (SP3, SP7, SP10 /11) as necessary. You need to have fulfilled the 'Assumed Knowledge' or Prerequisites for any subject, 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.

¹ Not offered in 2020

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Colour legend: Pink are core 'major or knowledge' subjects, Grey are skills subjects, White are electives, Blue are professional practice.

Level 5: Year 1 (take 8 subjects / 24 credit points)

SP3	SP1	SP6/7	SP2	SP9/10/11
Major Core: EV5107:03 International Environmental Policy and Governance	Major Core: EV5020:03 Human Dimensions of Nature, Environment and Conservation		Major Core: EV5200:03 Natural Resource Management or EV5701:03 Managing Coastal and Marine Environments (SP1)	Skill subject
Major Core: EV5209:03 Principles and Practices of Protected Area Management (or SP7)	Advanced skill subject		Major Skill Core: EV5110:03 Environmental and Social Impact Assessment	
	Skill subject			

Notes:

Boxes without specific subjects listed in them may be rearranged to meet your course needs as long as the total number of subjects and degree structure is met. For example, you may choose to move a SP1 elective in Year 1 to SP7 in Year 2.

Level 5: Year 2 (take 24 credit points)

SP3	SP1	SP6/7	SP2	SP10/SP11
Elective	Elective		Professional Practice subjects (12cp) Choose a stream	
	Elective			
	Elective			

Skill Subjects:

In addition to the **Major Core Skill Subject** (EV5110), choose 1 advanced skill subject 2 subjects from **List 1**. You must meet the Assumed Knowledge or Prerequisites for any subject selected.

Advanced Skill Subjects (Select 1)

SP1	SP2	SP9/SP10/SP11
BS5260:03 Modelling Ecological Dynamics	BZ5450:03 Ecological and Conservation Genetics	EV5502:03 Advanced Geographic Information Systems - TSV TSV
	EV5110:03 Environmental and Social Impact Assessment	EV5506:03 Remote Sensing -CNS LTD (SP9)

List 1 – Additional Skill Subjects (Select 2)

SP3	SP1	SP6/7	SP2	SP9/SP10/SP11
SC5502:03 Design and Analyses in Ecological Studies	SC5202:03 Quantitative Methods in Science ²	EA5018:03 Field Studies in Tropical Land and Water Science ³	BC5203:03 Advanced Bioinformatics	AQ5004:03 Aquaculture: Stock Improvement
MB5300:03 Sampling and Experimental Design ⁴	BS5260:03 Modelling Ecological Dynamics	EA5330:03 Field Techniques ³	BZ5450:03 Ecological and Conservation Genetics	EV5502:03 Advanced Geographic Information Systems - TSV
	EV5020:03 Human Dimensions of Nature, Environment and Conservation	SC5232:03 Marine Sensor Technologies and Applications ⁵	CH5203:03 Analytical Chemistry (Advanced)	EV5506:03 Remote Sensing -CNS LTD (SP9)
		BZ5990:03 Toolkit for the Field Biologist	EV5110:03 Environmental and Social Impact Assessment	EA5640:03 Advanced Marine Geoscience Technologies and Applications
		EA5044:03 Geological Mapping ³	EV5505:03 Introduction to Geographic Information Systems	
			MA5405:03 Data Mining	

² SC5202 is a required unit if you have not already completed a statistics subject at university.

³ Not intended for students in Marine Biology, Fisheries, Aquaculture or Tropical Biology & Conservation

⁴ Merged with SC5502 for 2020. SC5202 is a required unit if you have not already completed a statistics subject at university

⁵ Not yet available

Professional Practice Options

Select 1 Stream

Option 1 - Research Project Stream (entrance conditions apply) SC5912:06 AND SC5913:06 <i>You may choose which semesters you would like for each subject.</i>				
	SP1		SP2	
	SC5912:06 Minor Project, Seminar and Literature Review (Part 1)		SC5912:06 Minor Project, Seminar and Literature Review (Part 1)	
	SC5913:06 Minor Project, Seminar and Literature Review (Part 2)		SC5913:06 Minor Project, Seminar and Literature Review (Part 2)	
Option 2 - Professional Project Stream SC5009:12 <i>You may choose which semester to take this in.</i>				
	SP1		SP2	
	SC5009:12 Professional Project		SC5009:12 Professional Project	
Option 3 - Research & Professional Project Stream Select 12 credit points from:				
SP3	SP1	SP6/7	SP2	SP10/SP11
	SC5007:06 Professional Project		SC5007:06 Professional Project	
	SC5900:06 Special Topic		SC5900:06 Special Topic	
SC5901:03 Special Topic 1 <i>Note-This subject is available in any study period.</i>				
SC5902:03 Special Topic 2 <i>Note- This subject is available in any study period.</i>				
SC5008:03 Professional Placement <i>Note- This subject is available in any study period.</i>				

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

Recommended elective subjects for the ENVIRONMENTAL MANAGEMENT Major - These are our recommended elective subject sets for specific career pathways and/or study interests

TOPIC	STUDY PERIOD
<i>Marine and Coastal Resource management</i>	
MB5310:03 Marine Reserves as Fisheries Management Tools	3
MB5003:03 Fisheries science	1
EV5406:03 Coral Reef Geomorphology	1
AQ5015:03 Sustainable Aquaculture	3
EV5701:03 Managing Coastal & Marine Environments	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
MB5014:03 Managing Tropical Fisheries	11
MB5001:03 Tropical Marine Ecology and Coastal Impacts	11
MB5610:03 Fishing Gear and Technologies	2
MB5204:03 Conserving Marine Wildlife: Sea Mammals, Birds and Reptiles	1
MB5260 Grand Challenges in Fisheries	1
<i>Terrestrial Resource Management</i>	
BZ5615:03 Plant Survival in a Land of Fire, Flood and Drought	1
BZ5740:03 Wildlife Ecology and Management	1
EV5015:03 Sustainability in Practice	1
BZ5215:03 Conservation Biology	1
EV5200:03 Natural Resource Management	2
BZ5755:03 Biodiversity and Climate Change: Impact, Mitigation and Adaptation	7
BS5460:03 Fundamentals of Ecology	2
BZ5620:03 Tropical Flora of Australia	7
<i>Additional Interdisciplinary Study</i>	
EV5015:03 Sustainability in Practice	1
EV5404:03 Field Studies in Tropical Geography	11
<i>Note- Offered in even-numbered years.</i>	
AN5006:03 Asia Pacific Development: Culture and Globalisation	2
EV5003:03 Environmental Economics	2
LA5902:03 Environmental Law and Policy	1
EV5130:03 Urban Ecosystems	2
EV5252 :03 Indigenous Environmental Management	2
EC5218:03 Economics and Sustainable Resource Management	1

