

RECOMMENDED STUDY PLAN

2018

NAME _____ STUDENT NUMBER _____

DEGREE PROGRAM Master of Science-Professional MAJOR Aq Science & Tech (MSC-AQS)

Level 5: Year 1

SP3	SP1	SP6/7	SP2	SP10/SP11
	Major Core: AQ5002 Aquaculture: Feeds & Nutrition	Major Core: AQ5015 Sustainable Aquaculture	Major Opt Skill Core-List B	Major Core: AQ5003 Aquaculture: Propagation
	Major Core: AQ5006 Aquaculture: Principles & Practices		Major Opt Skill Core-List B <i>SC5202-Required if you have not already completed a statistics subject at university</i>	
	Major Skill Core: AQ5012 Aquaculture: Hatchery Techniques		Elective:	

Note-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.

Note-#Prerequisite for this subject is a basic univariate statistics course from university.

Note^-SC5502 is NEW for 2019 and the SP has yet to be confirmed.

Level 5: Year 2

SP3	SP1	SP6/7	SP2	SP10/SP11
	Elective:		Degree Core: Professional Practice-Choose an Option/Stream from List C	
	Elective:			
	Elective:			

Note-Professional Practice options are flexible.
See List C for full details.

Additional Notes:

The Master of Science (Professional) degree has the following structure:

1. 4 subjects/12cp of theory for your MAJOR CORE
2. 3 subjects/12cp of SKILL subjects for your major
 - a. 1 compulsory skill subject for your major (worth 6 cp)
 - b. 2 skill subjects from List B
3. 4 subjects/12cp of ELECTIVES (see recommended list below)
4. 12 credit points of Professional Practice (Select an Option Stream below)
 - a. Option 1-Research Stream **OR**
 - b. Option 2-Professional Project Stream **OR**
 - c. Option 3-Research & Professional Project Stream

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 online which can be found by searching for a subject within **Subject Search** (<https://secure.jcu.edu.au/app/studyfinder/>). For example, EV5502- Advanced GIS assumes you have already taken EV5505--Introduction to GIS or an equivalent at JCU or at your previous university.

Full subject descriptions and timings of all subjects can be found online using the Subject Search tool.

Skill Subjects:

In addition to the **Major Core Skill Subject**, choose 2 subjects from **List B**. You must meet the Assumed Knowledge or Prerequisites for any subject selected. See Additional Notes for more details.

Optional Skill Subjects-List B (Select 2 subjects)			
SP1	SP6/7	SP2	SP10/SP11
SC5202 Quantitative Methods in Science	BZ5990 Toolkit for the Field Biologist	BC5203 Introduction to Bioinformatics	AQ5004 Aquaculture Stock Improvement-TSV
BS5260 Modelling Ecological Dynamics- <i>Next availability 2019</i>	EA5018 Field Studies in Tropical Land & Water Science-CNS LTD	BZ5450 Ecological & Conservation Genetics	EV5502 Advanced GIS-TSV
	EA5330 Field Techniques-TSV <i>Note-This subject be substituted with</i>	CH5203 Analytical Chemistry-Advanced	EV5506 Remote Sensing-CNS LTD

	<i>EA5044-Geological Mapping-TSV in 2019</i>		
		EV5110 Environmental and Social Impact Assessment	SC5232 Marine Sensor Technologies and Applications-TSV <i>NEW 2019</i>
		EV5505 Introduction to Geographic Information Systems	
		MA5405 Data Mining	
		SC5502 Design and Analysis in Ecological Studies-NEW 2019 [^]	

Note[^]-SC5502 is NEW for 2019 and the SP has yet to be confirmed.

Professional Practice Options-List C (Select 1 Option-Stream)				
Option 1-Research Stream (entrance conditions apply)				
SC5912:06 AND SC5913:06				
<i>Note-You may choose which semesters you would like for each subject.</i>				
SP3	SP1	SP6/7	SP2	SP10/SP11
	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>Note-You may choose which semester you would like for this subject.</i>				
SP3	SP1	SP6/7	SP2	SP10/SP11
	SC5009:12 Professional Placement <i>Note-available in SP1 after 2018</i>		SC5009:12 Professional Placement	
Option 3-Research & Professional Project Stream				
Select 12 credit points from:				
SP3	SP1	SP6/7	SP2	SP10/SP11
	SC5007:06 Professional Project- <i>NEW 2019</i>		SC5007:06 Professional Project- <i>NEW 2019</i>	

SC5900:06 Special Topic- <i>NEW 2019</i>	SC5900:06 Special Topic- <i>NEW</i> 2019
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:

Your degree structure allows you to take 4 subjects/12 cp from any Level 5 subject with a prefix subject code of: AQ, BS, BZ, CH, EA, EV, MA, MB, MI, SC or TV.

Recommended elective subjects for this Major: The recommended elective subject sets for specific career pathways and/or or study areas:

TOPIC	STUDY PERIOD
<i>Aquaculture specialisations:</i>	
AQ5010:06 Production and Evaluation Report	1
AQ5008:03 Aquaculture: System Design	1
AQ5007:03 Aquatic Animal Ecophysiology	2
AQ5009:03 Aquaculture of Tropical Species	2
TV5240:03 Aquatic Pathobiology	2
AQ5004:03 Genetics and Stock Improvement	10
AQ5016:03 Aquaculture in Practice	7 (alternate yrs)
<i>Marine Science electives</i>	
MB5003:03 Fisheries Science	1
MB5400:03 Life History & Evolution of Reef Corals	1
MB5004:03 Marine Conservation Biology	2
MB5160:03 Fishing Gear & Technologies	2
MB5270:03 Coastal, Estuarine and Mangrove Ecosystems	2

MB5380:03 Invertebrate Biology	2
<i>Environmental Management electives</i>	
CH5041:03 Environmental Chemistry	1
EC5218:03 Economics and Sustainable Resource Management	1
MB5310:03 Marine Reserves as Fisheries Management Tools	3
EV5014:03 Managing Tropical Fisheries	10