RECOMMENDED STUDY PLAN 2018-2019

NAME _____ **STUDENT NUMBER** _____

DEGREE PROGRAM **Graduate Diploma of Science** **MAJOR** **Aq Science & Tech (AQS)**

Level 5: Year 1

SP3	SP1	SP6/7	SP2	SP10/SP11
	Major Core:		**Major Core:**	
	Major Skill Core: AQ5012 Aquaculture: Hatchery Techniques		**Major Opt Skill Core-List B** *SC5202-Required if you have not already completed a statistics subject at university*	
	Elective:		**Elective:**	
			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 an elective in Year 2 into Year 1. You may also choose to delay a skill subject or BZ5745 until Year 2.

Additional Notes:

The Graduate Diploma of Science has the following structure:

1. 2 subjects/6cp of theory for your MAJOR CORE
2. 2 subjects/9cp of SKILL subjects for your major
    a. 1 compulsory skill subject for your major (worth 6cp)
    b. 1 skill subject from List B
3. 3 subjects/9cp of ELECTIVES (see recommended list below)

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.

Major Core Subjects: Please select 2 subjects /6cp from the list of **Optional Major Core Subjects.**

Optional Major Core Subjects (Select 2 subjects)				
SP3	**SP1**	**SP6/7**	**SP2**	**SP10**
AQ5015 Sustainable Aquaculture	AQ5002 Aquaculture: Feeds & Nutrition	AQ5003 Aquaculture: Propagation		
	AQ5006 Aquaculture: Principles & Practices			

Skill Subjects:

In addition to the **Major Core Skill Subject**, choose 2 subjects /6 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**	**SP9/SP10/SP11**
SC5202 Quantitative Methods in Science	BZ5990 Toolkit for the Field Biologist	EV5110 Environmental and Social Impact Assessment	AQ5004 Aquaculture Stock Improvement-TSV
BS5260 Modelling Ecological Dynamics-*Next availability 2019*	EA5018 Field Studies in Tropical Land & Water Science-CNS LTD	EV5505 Introduction to Geographic Information Systems	EV5502 Advanced GIS-TSV* **Note there is an error in the course paperwork. EV5502 is the option and **NOT** EV5505:03 Introduction to GIS as your online study plan may indicate.*
	EA5330 Field Techniques-TSV *Note-This subject be*	SC5502 Design and Analysis in Ecological Studies-NEW 2019^	EV5506 Remote Sensing-CNS LTD

	substituted with EA5044-Geological Mapping-TSV in 2019		
	SC5232 Marine Sensor Technologies and Applications-TSV *NEW 2019*		

Note-List 1 also includes the following full semester mode TSV subjects if you are interested CH5203-SP2, *BC5203-SP2, BZ3450-SP2, MA5405-SP2.*

Note-List 1 also includes the full semester mode TSV subject BZ3450-SP2 if you are interested.

Elective subjects:

Your degree structure allows you to take 3 subjects/9 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**
Aquaculture specialisations:	
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 *Note-Offered in even-numbered years*	7 (alternate yrs)
Marine Science electives	
MB5003:03 Fisheries Science	1
MB5400:03 Life History & Evolution of Reef Corals	1
MB5004:03 Marine Conservation Biology	2
MB5610:03 Fishing Gear & Technologies	2
MB5270:03 Coastal, Estuarine and Mangrove Ecosystems	2
MB5380:03 Invertebrate Biology	2

Environmental Management electives	
CH5041:03 Environmental Chemistry	1
EC5218:03 Economics and Sustainable Resource Management	1
MB5310:03 Marine Reserves as Fisheries Management Tools	3
MB5014:03 Managing Tropical Fisheries	11