

**RECOMMENDED STUDY PLAN****2018-2019**

NAME \_\_\_\_\_ STUDENT NUMBER \_\_\_\_\_

DEGREE PROGRAM Graduate Diploma of Science MAJOR Geology (GEL)Level 5: Year 1

SP1	SP6/7	SP2	SP10/11
Major Core:	Major Skill Core: EA5044 Geological Mapping	Major Core:	
Major Opt Skill Core-List B		Major Opt Skill Core-List B <i>SC5202-Required if you have not already completed a statistics subject at university</i>	
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. 3 subjects/9cp of SKILL subjects for your major
  - a. 1 compulsory skill subject for your major
  - b. 2 skill subjects 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	SP2	SP10/SP11
	EA5048 Minerals & Magmas	EA5650 Sedimentary Environments & Energy Resources	
	EA5320 Earth Resources, Exploration & Environment	EA5211 Structural Geology & Tectonics	

*\*Note- EV5701 is being moved to SP1 2019 and may not be available in SP2 for 2018. Please consult your coordinator for details.*

### 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- <i>Next availability 2019</i>	EA5018 Field Studies in Tropical Land & Water Science-CNS LTD	EV5505 Introduction to Geographic Information Systems	EV5502 Advanced GIS-TSV*  <i>*Note there is an error in the course paperwork. EV5502 is the option and <b>NOT</b> EV5505:03 Introduction to GIS as your online study plan may indicate.</i>
	EA5330 Field	SC5502 Design and Analysis in	EV5506 Remote

	Techniques-TSV <i>Note-This subject be substituted with EA5044-Geological Mapping-TSV in 2019</i>	Ecological Studies-NEW 2019	Sensing-CNS LTD
	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.*

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### **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
EA5016 Hydrology	1
EA5340 Disturbed Site Repair	2
EA5404 From Icehouse to Greenhouse	2
EA5043 Ore Genesis	2
EA5046 Earth and Environmental Geochemistry	2
EA5024:06 Business and Financial Management in the Minerals Industry <i>Note-Offered in even-numbered years.</i>	3
EA5029:06 Integrated Spatial Analysis and Remote Sensing of Mineral Exploration Targets <i>Note-Offered in even-numbered years.</i>	3
EA5640:03 Advanced Marine Geoscience Technologies and Applications	11