



Master of Science (Professional) MAJOR (Geology)

This study plan should be used as a general guide for your course. We recommend you consult with your [CSE Course/Major Advisor](#) and particularly if your intended enrolment varies from this plan.

The information in the study plan is current at the time of creation and may be subject to future change. If you would prefer a part-time study plan, please adjust the below study planner; reviewing subject prerequisites to ensure you are on track for course completion.

Useful study planning/enrolment resources:

To search for information on subjects: [Subject Search](#)

To register for your classes: [Class Registration](#)

For important dates check: [Academic Calendars](#)

Further enrolment resources:

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| | <p>Select 3 credit points of subjects from List 1</p> |
| <p>Major EA5320:03 Earth Resources, Exploration and Environment</p> | <p>Major Select 3 credit points of subjects from: EV5110:03 Environmental and Social Impact</p> |

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| <p>ASSUMED KNOWLEDGE: Students must have a good understanding of EARTH SCIENCE which includes knowledge of structural geology, metamorphic, igneous and sedimentary geology. EA5330 or EA5048 or EA3210 or EA2220 or will have acquired equivalent knowledge through industry experience.</p> <p>or</p> <p>EA5046:03 Earth and Environmental Geochemistry (SP2)</p> | <p>Elective Select 3 credit points of any level 5 AQ, BS, BZ, CH, CP, EA, EV, MA, MB, MI, SC or TV subjects</p> |
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| | | STUDY PERIOD 1 | STUDY PERIOD 2 |
|--------|----------|---|---|
| Year 2 | Major | SC5200:03 Career Planning (SP1 or SP2) | Course See Course Notes below regarding eligibility criteria for both options. Select: Option 1 – Research Stream* (12cp) SC5912:06 Research Project (Part 1 of 2) SC5913:06 Research Project (Part 2 of 2) <u>OR</u> Option 2 – Professional Employability Stream** (12cp) SC5009:12 Postgraduate Internship |
| | Elective | Select 3 credit points of any level 5 AQ, BS, BZ, CH, CP, EA, EV, MA, MB, MI, SC or TV subjects | |
| | Elective | Select 3 credit points of any level 5 AQ, BS, BZ, CH, CP, EA, EV, MA, MB, MI, SC or TV subjects | |
| | Elective | Select 3 credit points of any level 5 AQ, BS, BZ, CH, CP, EA, EV, MA, MB, MI, SC or TV subjects | |

| SKILL SUBJECTS - List 1 | |
|-------------------------|----------------|
| STUDY PERIOD 1 | STUDY PERIOD 2 |

BS5260:03 Modelling Ecological Dynamics



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| | EV5505:03 Introduction Geographic Information Systems |
| | MA5405:03 Data Mining ASSUMED KNOWLEDGE: Students must have a good understanding of STATISTICS which includes knowledge of basic probability, hypothesis testing, law of large numbers, central limit theorem and ability to use R for data analysis (or have done the JCU R Bootcamp). SC5202 or SC2202 or SC2209 or will have acquired equivalent knowledge through industry experience. |
| | BZ5225:03 Technological Applications in Ecology ASSUMED KNOWLEDGE: Students must have a basic understanding of STATISTICS which includes knowledge of basic probability, t-tests, regression and ability to use R for data analysis (or have done the JCU R Bootcamp). SC5202 or SC2202 or SC2209 or will have acquired equivalent knowledge through industry experience. |

SKILL SUBJECTS - List 1 *continued*

STUDY PERIOD 3
(Jan-Feb)

STUDY PERIOD 6-7



ASSUMED KNOWLEDGE: Same assumed knowledge as EA5044.

EA5640:03 Advanced Marine Geoscience Technologies and Applications

ASSUMED KNOWLEDGE- It would be advantageous for students to have a basic understanding of GIS and be able to use R for data analysis (or have done the JCU R Bootcamp). EV5505 or EV2502 or will have