

Bachelor of Science

MAJOR Earth Science

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: [Enrolment Resources](#)

Year 1	STUDY PERIOD 1	STUDY PERIOD 2
	Course SC1101:03 Science Technology and Truth	Course SC1102:03 Modelling Natural Systems <i>PREREQ: MA1020 or MA0020 or Senior Mathematics or equivalent</i> or SC1109:03 Modelling Natural Systems-Advanced ^ <i>PREREQ: MA1000 or MA1009</i>
	Course MA1020:03 Preparatory Mathematics – SP3 or Elective (only if already satisfied via previous study)	Course CH1020:03 Preparatory Chemistry or Elective (only if already satisfied via previous study)
	Major EV1005:03 Environmental Processes and Global Change	Major EA1110:03 Evolution of the Earth
	Elective Select a subject from List 1 (Breadth Subjects)	Elective Select a subject from List 1 (Breadth Subjects)

^Note: SC1109 is compulsory in the Advanced BSc Program and should be taken instead of SC1102 if you are considering that pathway.

Year 2	STUDY PERIOD 1	STUDY PERIOD 2
	Course SC2202:03 Quantitative Methods in Science <i>PREREQ: SC1102 or SC1109</i> or SC2209:03 Quantitative Methods in Science-Advanced <i>PREREQ: SC1109 and MA1003 plus 6 credit points of other Level 1 subjects</i>	Course Select a subject from List 2 (Skills Subjects)
	Major EA2006:03 Hydrology <i>PREREQ: At least 12 credit points at level 1</i>	Elective
	Major EV2401:03 Australian Landscape Processes and Evolution <i>PREREQ: At least 12 credit points of level 1 subjects</i>	Elective
	Major EA2220:03 Minerals and Magmas <i>PREREQ: EA1110 plus at least 9 credit points of any undergraduate subject</i> OR EA2404:03 Earth's Climate: Past, Present, and Future (SP2) <i>PREREQ: At least 12 credit points of level 1 subjects</i>	Elective

Year 3	STUDY PERIOD 1	STUDY PERIOD 2
	Course SC3008:03 Professional Placement Select Availability in Study Period 1, 2, 3, 7 or 11 <i>PREREQ: Students must have successfully completed 12 credit points of second year.</i> <i>Enrolment is restricted to students with an approved placement</i>	
	Major EA3210:03 Structural Geology and Tectonics <i>PREREQ: EA1110</i>	Major EA3110:03 Sedimentology and Stratigraphy <i>PREREQ: EA1110</i>
	Elective	Major EA3207:03 Soil Properties and Processes for Science
	Elective	Elective
	Elective	

BREADTH SUBJECTS - LIST 1		
STUDY PERIOD 1		STUDY PERIOD 2
BM1000:03 Introductory Biochemistry and Microbiology <i>PREREQ: Allow concurrent enrolment in CH1020, CH0020 or Senior Chemistry</i>		BS1001:03 Introduction to Biological Processes
BS1007:03 Introduction to Biodiversity		CH1002:03 Chemistry: Principles and Applications <i>PREREQ: CH1001 OR CH1011 and allow concurrent for Ch1011 and CH1001</i>
CH1001:03 Chemistry: A Central Science <i>PREREQ: CH1020, CH0020 or EG1010 or High School Senior Chemistry</i>		EA1110:03 Evolution of the Earth
EG1000:03 Engineering 1		MA1003:03 Mathematical Techniques <i>PREREQ: MA1000 or MA1011 or MA1009</i>
EV1005:03 Environmental Processes and Global Change		MA1580:03 Foundations of Data Science <i>PREREQ: MA1000 or MA1020 or MA0020 or Maths B</i>
MA1000:03 Mathematical Foundation <i>PREREQ: MA1020 or MA0020 or Maths B or Maths C</i>		PH1007:03 Advanced Stream Physics 2 <i>PREREQ: ((Maths B or equivalent or MA1020 or MA0020) and PH1005) or (Physics and Maths C)</i>
PH1005:03 Advanced Stream Physics 1 <i>PREREQ: MA1000</i>		
TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
CP1401:03 Problem Solving and Programming I	CP1401:03 Problem Solving and Programming I <i>*External</i>	CP1404:03 Programming II <i>PREREQ: CP1801 or CP1401 or CP1200 or EG1002 or CP2200 or SC1201</i>
	CP1404:03 Programming II <i>*External</i>	

SKILL SUBJECTS - LIST 2		
STUDY PERIOD 1		STUDY PERIOD 2
MA2000:03 Mathematics for Scientists and Engineers <i>PREREQ: MA1003</i>		CH2103:03 Analytical Chemistry <i>PREREQ: CH1001 or CH1011</i>
MA2830:03 Data Visualisation		EV2502:03 Introduction to Geographic Information Systems <i>PREREQ: At least 12 credit points of level 1 subjects</i>
SC3010:03 Sensors and Sensing for Scientists <i>PREREQ: BZ2001 or SC2202 or SC2209 or SC2201</i>		MA2210:03 Linear Algebra <i>PREREQ: MA1003</i>
		TRIMESTER 3
		CP2404:03 Database Modelling

ADDITIONAL INFORMATION

A maximum of 30 credit points may be taken at Level 1.

A minimum of 18 credit points of science subjects must be taken at Level 3 or higher.

COURSE HANDBOOK

[Bachelor of Science Handbook](#)

[Earth Science Major](#)