

## Bachelor of Advanced Science (Geology) (Physics)

Useful study planning/enrolment resources:

- [Subject Search](#)
- [Academic Calendars](#)
- [Class Registration](#)
- [Enrolment Resources](#)

The information in the study planner is current at the time of creation may be subject to future change.

**Attention International Student visa holders:** To remain compliant with your enrolments requirements as a Student visa holder you are required to enrol in at least one On-Campus, Multi-Modal or WIL subject offering in each compulsory study period and you cannot enrol in more than one third (33%) of your total course load through online or distance learning. To complete your course within your CoE duration students must maintain sufficient subject enrolment.

The College of Science and Engineering will be offering some subjects in Block 3 and Block 4 (see the [Academic Calendar](#) for Block 3 and 4 dates). International students must maintain enrolment in subjects across the whole Trimester 2 period (May - August) and can do this by enrolling in a combination of Block 3 and Block 4 subjects, and/or Trimester 2 subjects and full-time enrolment load in an academic year.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
<b>2025</b>	SC1101:03 Science Technology and Truth	MA1003:03 Mathematical Techniques <i>PREREQ: MA1000 or MA1011 or MA1009</i>	SC1109:03 Modelling Natural Systems – Advanced <i>PREREQ: MA1000</i>
	MA1000:03 Mathematical Foundations <i>PREREQ: MA1020 or MA0020 or BR0202 or High School Senior Mathematics equivalent</i>	<b>Physics Major</b> PH1005:03 Newtonian Physics <i>PREREQ: Maths B or MA1020 or MA0020 or MA1000 or MA1008 OR admission to 116209, 116409 or 116309. Allow concurrent for MA1000 and MA1008</i>	<b>Physics Major</b> PH1007:03 Fundamental Physics <i>PREREQ: Maths B or equivalent or MA1020 or MA0020) and PH1005) or (Physics and Maths C)</i>
	<b>Geology Major</b> EV1005:03 Environmental Processes and Global Change (TR1) <b>OR</b> CH1001:03 Chemistry: The Central Science (TR2) <i>PREREQ: CH1020 or CH0020 or EG1010 or Senior Chemistry or equivalent</i>		<b>Geology Major</b> EA1110:03 Evolution of the Earth

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
<b>2026</b>	<b>Physics Major</b> PH2048:03 Medicinal and Radiation Physics <i>PREREQ: MA1003 and PH1005 and (PH1007 or (EG1010 and EG1011 and EG1012))</i>	CH1020:03 Preparatory Chemistry (or any Level 1, 2 or 3 or 5 subject if already satisfied via previous study)	<b>Physics Major</b> PH2002:03 Classical Mechanics and Quantum Physics <i>PREREQ: MA1003 and PH1005 and (PH1006 or PH1007 or (EG1012 and EG1011))</i>
	<b>Geology Major</b> EA2220:03 Earths Materials; Minerals and Magmas <i>PREREQ: 9 credit points of Level 1 Subjects including EA1110</i>	<b>Physics Major</b> PH2019:03 Electromagnetism and Optics <i>PREREQ: (EG1012 or PH1005) and MA1003</i>	<b>Geology Major</b> EA2110:03 Introduction to Sedimentology <i>PREREQ: 9 credit points of Level 1 Subjects including EA1110</i>
	Select 3 credit points of subjects from <b>List 1 (Advanced Skills Subjects)</b> <i>* Students must select MA2000 Mathematics for Scientists and Engineers</i>	<div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"><b>BLOCK 3 (May-Jun)</b></div> <b>Geology Major</b> EA3210:03 Structural Geology and Tectonics <i>PREREQ: 9 credit points of Level 1 Subjects including EA1110</i>	

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
<b>2027</b>	SC2209:03 Quantitative Methods in Science-Advanced <i>PREREQ: SC1109 and MA1003 plus 6 credit points of other Level 1 subjects</i>	<b>Physics Major</b> PH3002:03 Advanced Quantum Physics <i>PREREQ: MA2000 AND PH2002</i>	SC3008:03 Professional Placement (TR1, TR2, TR3) <i>PREREQ: 12 credit points of second year subjects. Restricted to students with an approved placement</i> <b>OR</b> SC3003:03 Science Research Internship (TR1, TR2, TR3) <i>PREREQ: 15 credit points of AQ, BC, BS, BZ, CH, EV, EA, MA, MB, PH or SC science level 2 subjects</i> <i>*Students must source a supervisor for their internship before enrolment</i>
	<b>Physics Major</b> PH3021:03 Physics of the Earth, Solar System and Universe <i>PREREQ: PH1005 and (PH1007 or (EG1010 and EG1011 and EG1012))</i>		<b>Physics Major</b> PH3008:03 Statistical Mechanics and Transport <i>PREREQ: MA2000 and PH1005 and (PH1007 or (EG1010 and EG1011 and EG1012))</i>
	<b>Geology Major</b> EA3130:03 Magmatic Processes and Metamorphism <i>PREREQ: 9 credit points at level 2 including EA2220</i>	<div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"><b>BLOCK 3 (May-Jun)</b></div> <b>Geology Major</b> EA3510:03 Geological Mapping <i>PREREQ: 9 credit points at level 2 including EA2220</i>	<b>Geology Major</b> EA3400:03 Ore Deposits and Critical Mineral Exploration <i>PREREQ: 9 credit points of level 2 subjects including EA2220</i> <b>OR</b> EA3800:03 Earth and Environmental Geochemistry <i>PREREQ: 9 credit points of level 2 subjects and 3 credit points of level 1 EA, EV or MB subjects</i>

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**COURSE HANDBOOK**

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