Geology

Year and Campus:	2016
Coordinator:	Assoc Prof Kevin Walsh
Contact:	**kevin.walsh@unimelb.edu.au (mailto:kevin.walsh@unimelb.edu.au)**
Overview:	The Graduate Certificate allows students who have completed an undergraduate degree to re-focus or expand their body of knowledge by completing the requirement of one of the undergraduate majors (or equivalent) in the Bachelor of Science not already completed. Students will be required to have completed level 2 prerequisites. The Graduate Certificate provides a pathway to the Master of Science Streams.
Learning Outcomes:	Students who complete the graduate certificate should: # Demonstrate an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories and methodologies that are applied with intellectual honesty and a respect for ethical values; # Apply critical and analytical skills and methods to the identification and resolution of problems; # Act as informed and critically discriminating participants within the community of scholars, as citizens and in the work force; # Communicate effectively; # Commit to continuous learning; # Be proficient in the use of appropriate modern technologies, such as the computer and other information technology systems, for the acquisition, processing and interpretation of data. - **Core participation requirements:** Fieldwork The sites essential to this fieldwork are not wheelchair accessible and require students to traverse broken ground. Visual observation and interpretation of the sites is also an essential component, as is specimen and microscope work.
Structure & Available Subjects:	Completion of 50 points of study at Level 3.
Subject Options:	***Subject prerequisites:*** *all three of GEOL20001 Geology of Southeast Australia, GEOL20002 Structural and Metamorphic Geology and GEOL20004 Field Mapping and Sedimentary Geology, or equivalents.* - **Level 3** Both of:

Subject	Study Period Commencement:	Credit Points:
GEOL30002 Tectonics & Geodynamics	Semester 1	12.50
GEOL30003 Sedimentary Geology	Semester 2	12.50

Plus two electives selected from:

Subject	Study Period Commencement:	Credit Points:
ERTH30001 Hydrogeology/Environmental Geochemistry	Semester 1	12.50
GEOL30004 Geochemistry & Petrogenesis	Semester 1	12.50

	GEOL30005 Applied Geophysics	Semester 2	12.50
	GEOL30006 Economic Geology	Semester 2	12.50
	GEOL30007 Geobiology and Palaeobiology	Semester 1	12.50
	GEOL30009 Advanced Field Geology	July	12.50
Links to further information:	http://graduate.science.unimelb.edu.au		
Related Course(s):	Graduate Certificate in Science		