Chemistry

Year and Campus:	2013
Coordinator:	Dr Craig Hutton
Contact:	**Melbourne Graduate School of Science** Faculty of Science The University of Melbourne Tel: + 61 3 8344 6128 Fax: +61 3 8344 3351 Web: **http://graduate.science.unimelb.edu.au (http://graduate.science.unimelb.edu.au/)**
Overview:	The Graduate Certificate allows students who have completed an undergraduate degree to refocus 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. The Graduate Certificate provides a pathway to the Master of Science Streams.
Objectives:	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:** Laboratory experiments This discipline requires students to actively, independently and safely participate in all practical classes, utilising a range of observational, communication, motor, intellectual, and behavioural and social skills. Visual acuity, muscle coordination and balance are essential for participation. Assessment is reliant on careful observation and visual interpretation of results.
Structure & Available Subjects:	Completion of 50 points of study at Level 3.
Subject Options:	***Subject prerequisites:*** *all three of CHEM20018 Reactions and Synthesis and CHEM20019 Practical Chemistry 2 and CHEM20020 Structure and Properties, or equivalents.*

Both of:

Subject	Study Period Commencement:	Credit Points:
CHEM30016 Reactivity and Mechanism	Not offered 2013	12.50
CHEM30015 Advanced Practical Chemistry	Not offered 2013	12.50

Plus two electives selected from:

Subject	Study Period Commencement:	Credit Points:
CHEM30017 Specialised Topics in Chemistry A	Not offered 2013	12.50
CHEM30014 Specialised Topics in Chemistry B	Not offered 2013	12.50

	CHEM30012 Analytical & Environmental Chemistry	Not offered 2013	12.50
Links to further information:	http://graduate.science.unimelb.edu.au/		
Related Course(s):	Graduate Certificate in Science		