

# Chemistry

<b>Year and Campus:</b>	2016									
<b>Coordinator:</b>	Dr Alessandro Soncini									
<b>Contact:</b>	<p><b>Administrator</b>  Ms Andrea Oliver  School of Chemistry  Email: <a href="mailto:a.oliver@unimelb.edu.au">a.oliver@unimelb.edu.au</a> (<a href="mailto:a.oliver@unimelb.edu.au">mailto:a.oliver@unimelb.edu.au</a>)</p>									
<b>Overview:</b>	The Graduate Diploma 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. The Graduate Diploma provides a pathway to the Master of Science Streams.									
<b>Learning Outcomes:</b>	<p>Students who complete the graduate diploma should:</p> <ul style="list-style-type: none"> <li># 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;</li> <li># Apply critical and analytical skills and methods to the identification and resolution of problems</li> <li># Act as informed and critically discriminating participants within the community of scholars, as citizens and in the work force;</li> <li># Communicate effectively;</li> <li># Commit to continuous learning;</li> <li># 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.</li> </ul> <p>-</p> <p><b>Core participation requirements:</b> Laboratory experiments</p> <p>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.</p>									
<b>Structure &amp; Available Subjects:</b>	<p>Completion of 125 points:</p> <ul style="list-style-type: none"> <li># 50 points of study at Level 2 or above;</li> <li># 50 points of study at Level 3;</li> <li># 25 point of study at Level 9</li> </ul>									
<b>Subject Options:</b>	<p><b>Subject prerequisites:</b> For stream specific requirements please <a href="http://science.unimelb.edu.au/available-stream-requirements%20">click here (http://science.unimelb.edu.au/available-stream-requirements%20)</a> .</p> <p><b>Level 2</b></p> <p>Students should select 50 points of level 2 options to meet the pre-requisites for their level 3 choices.</p> <p>-</p> <p>Students must take:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>CHEM20019 Practical Chemistry 2</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>CHEM20018 Chemistry: Reactions and Synthesis</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	CHEM20019 Practical Chemistry 2	Semester 2	12.50	CHEM20018 Chemistry: Reactions and Synthesis	Semester 1	12.50
Subject	Study Period Commencement:	Credit Points:								
CHEM20019 Practical Chemistry 2	Semester 2	12.50								
CHEM20018 Chemistry: Reactions and Synthesis	Semester 1	12.50								

CHEM20020 Chemistry: Structure and Properties	Semester 2	12.50
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*Plus one elective selected from:*

Subject	Study Period Commencement:	Credit Points:
CHEM20011 Environmental Chemistry	Semester 1	12.50
CHEM30013 Chemical Research Project	Summer Term, Semester 2	12.50

### Level 3

Both of:

Subject	Study Period Commencement:	Credit Points:
CHEM30015 Advanced Practical Chemistry	Semester 1	12.50
CHEM30016 Reactivity and Mechanism	Semester 1	12.50

Plus two of:

Subject	Study Period Commencement:	Credit Points:
CHEM30012 Analytical & Environmental Chemistry	Semester 2	12.50
CHEM30014 Specialised Topics in Chemistry B	Semester 2	12.50
CHEM30017 Specialised Topics in Chemistry A	Semester 1	12.50

### Level 9

Plus two level 9 subjects selected from listed discipline subjects in the **Master of Science (Chemistry)** ([../view/current/mc-sciche](http://graduate.science.unimelb.edu.au/view/current/mc-sciche)) program

<b>Links to further information:</b>	<a href="http://graduate.science.unimelb.edu.au/">http://graduate.science.unimelb.edu.au/</a>
<b>Related Course(s):</b>	Graduate Diploma in Science