

# Medicinal Chemistry

<b>Year and Campus:</b>	2015															
<b>Coordinator:</b>	Associate Professor Craig Hutton															
<b>Contact:</b>	<p><b>Melbourne Graduate School of Science</b>  Faculty of Science  The University of Melbourne  Victoria 3010</p> <p>Tel: + 61 3 8344 6128  Fax: +61 3 8344 3351</p> <p>Web: <a href="http://graduate.science.unimelb.edu.au/">http://graduate.science.unimelb.edu.au/</a> (<a href="http://graduate.science.unimelb.edu.au/">http://graduate.science.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 Certificate 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>															
<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> <tr> <td>CHEM20020 Chemistry: Structure and Properties</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>PHRM20001 Pharmacology: How Drugs Work</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p><b>Level 3</b></p>	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	PHRM20001 Pharmacology: How Drugs Work	Semester 2	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														
PHRM20001 Pharmacology: How Drugs Work	Semester 2	12.50														

	All four of:		
	Subject	Study Period Commencement:	Credit Points:
	CHEM30015 Advanced Practical Chemistry	Semester 1	12.50
	CHEM30016 Reactivity and Mechanism	Semester 1	12.50
	PHRM30008 Drugs: From Discovery to Market	Semester 1	12.50
PHRM30009 Drugs in Biomedical Experiments	Semester 1, Semester 2	12.50	
	<b>Level 9</b>		
	Plus two level 9 subjects selected from listed discipline subjects in the <b>Master of Science (Chemistry) (<a href="#">../view/current/mc-sciche</a>)</b> 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		