

# Chemistry

<b>Year and Campus:</b>	2010			
<b>Coordinator:</b>	Professor Richard O'HairSchool of Chemistry			
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<b>Overview:</b>	Chemistry major students will develop the capacity to view the world from a molecular perspective and to solve complex problems that span the breadth of chemistry and other sciences. Specific core knowledge that will be developed includes: molecular design and synthesis, analysis and spectroscopic identification of chemical species, quantum chemistry, molecular dynamics, chemical kinetics, and thermodynamics. Skills that will be developed include: laboratory skills (e.g. observational; analytical techniques; report writing; safe laboratory practices); sophisticated problem solving skills (e.g. the ability to think abstractly, analytically and logically) as well as generic skills (e.g. written and oral communication, computer competency; independent learning; time and project management). Pathways for chemistry majors will include careers in research (through further study including MSc and PhD programs in chemistry and allied areas), teaching, government and professional positions.			
<b>Objectives:</b>	.			
<b>Structure &amp; Available Subjects:</b>	Completion of 50 points of study at third year level			
<b>Majors/Minors/Specialisations</b>	<p>There are two specialisations within the Chemistry major.</p> <table border="1"> <thead> <tr> <th>Major/Minor/Specialisation</th> </tr> </thead> <tbody> <tr> <td>Chemistry</td> </tr> <tr> <td>Medicinal Chemistry</td> </tr> </tbody> </table>	Major/Minor/Specialisation	Chemistry	Medicinal Chemistry
Major/Minor/Specialisation				
Chemistry				
Medicinal Chemistry				
<b>Related Course(s):</b>	Bachelor of Science			