

# Chemistry

<b>Year and Campus:</b>	2014			
<b>Coordinator:</b>	Associate Professor Uta WilleSchool 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. 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>Learning Outcomes:</b>	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).			
<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
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Chemistry				
Medicinal Chemistry				
<b>Notes:</b>	This major is available to new generation Bachelor of Science students (B-SCI). It is also available to Bachelor of Science students who commenced prior to 2008. The published structure of this major includes subjects available in the current year. Pre-2008 Bachelor of Science students who completed one or more Level 3 science subjects towards this major prior to 2010 should contact the Science Student Centre for advice on appropriate subjects to complete this major.			
<b>Related Course(s):</b>	Bachelor of Arts and Bachelor of Science Bachelor of Commerce and Bachelor of Science Bachelor of Science			