

	<h1>Chemistry</h1>
Exam Board	OCR
Course Entry Criteria	A in Chemistry A in Core and Additional Science (for double science students only) A in Core, Additional Science and Further Additional Science
Essential skills	Chemists requires good analytical, practical and problem solving skills. You will need the ability to communicate scientific ideas and concepts, as well as being able to be logical, analyse and interpret data.
Year 12	<p>The course content and assessment are shown below:</p> <p>Paper 1 (Breadth in Chemistry). This is assessed by a 1 hour 30 minutes written examination in June. It is out of 70 UMS and makes up 50% of the AS level. The paper will consist of multiple choice (worth 20) and structured questions (worth 50). This unit underpins much of the chemistry encountered in other chemistry units and should be seen as a foundation for all other units encountered. Topics for this paper include The Periodic Table, Atoms and Reactions, Electrons, Bonding and Structure, Energy Resources, Hydrocarbons, Alcohols, Halogenoalkanes and Analysis.</p> <p>Paper 2 (Depth in Chemistry). This is assessed by a 1 hour and 30 minutes examination in June. It is out of 70 UMS and makes up 50% of the AS examination. The topics are the same as Paper 1 but are more in depth. The students will be assessed by Structured questions and Extended Response questions.</p>
Year 13	<p>The course content and assessment are shown below:</p> <p>There are 3 papers for the examination:</p> <p>Paper 1: This is assessed by a 2 hours 15 minutes written examination in June. It is out of 100 UMS and makes up 37% of the A level. The students will be assessed by multiple choice questions (15) and structured questions covering theory and practical skills (85). Topics from modules 1, 2, 3 and 5 will be assessed. They are Development of Practical Skills, Foundations in Chemistry, Periodic Table and Energy, Physical Chemistry and Transition Elements.</p> <p>Paper 2: This is assessed by a 2 hours 15 minutes written examination in June. It is out of 100 UMS and makes up 37% of the A level. The students will be assessed is by Multiple Choice questions (15) and Structured questions covering theory and practical skills (85). Topics from modules 1, 2, 4 and 6 will be assessed. They are Development of Practical Skills, Foundations in Chemistry, Core Organic Chemistry, Advanced Organic Chemistry and Instrumental Analyses.</p> <p>Paper 3: This is assessed by a 1 hour and 30 minutes examination in June. It is out of 70 UMS and makes up 26% of the A level. The students will be assessed by structured questions and extended response questions covering theory and practical skills. Topics from modules 1-6 (all modules) will be assessed. They are Development of Practical Skills, Foundations in Chemistry, Periodic Table, Energy, Core Organic Chemistry, Physical Chemistry, Transition Elements, Advanced Organic Chemistry and Instrumental Analyses.</p>
University requirements	Oxbridge A*A A Russell Group A A A Non-Russell Group A B B-B C C
Related courses and careers	Analytical Sciences, Pharmacy, Medicine, Dentistry, Chemical Engineering, Biochemistry