



A Level Chemistry

What will I study?

Chemistry is the study of composition, structure, properties, and changes of matter. During this course, you will explore key topics such as atomic structure, bonding, thermodynamics, kinetics, equilibria, organic chemistry, and analytical techniques including spectroscopy and chromatography. You'll develop practical laboratory skills through a series of required experiments, gaining hands-on experience in chemical analysis and synthesis. The course also encourages critical thinking and problem-solving, helping you understand how chemistry applies to real-world contexts such as pharmaceuticals, environmental science, and industrial processes.

How will I be assessed?

Assessment is through three written exam papers at the end of the second year. These papers cover both theoretical content and practical skills. There is also a separate endorsement of practical skills based on your performance in laboratory work throughout the course.

What are the entry requirements?

To study A Level Chemistry, you must have five GCSEs at grade 5 or above (including English Language at grade 5 and Maths at grade 4), with GCSE Maths at grade 6 and Combined Science at grades 6–6 or equivalent including Chemistry, and if you are not studying A Level Maths, you will be required to take Core Maths alongside the course.

Where will this course lead?

Chemistry is a highly respected A level that opens doors to a wide range of university courses and careers. It is essential for degrees in medicine, dentistry, veterinary science, pharmacy, chemical engineering, and biochemistry. You can also progress to degree-level apprenticeships or higher education courses at Milton Keynes College. Employers value the analytical and problem-solving skills developed through studying Chemistry.

What combines well with this subject?

Chemistry combines well with other science subjects such as Biology, Physics, and Mathematics. It also complements subjects like Psychology and Geography, especially for students interested in environmental or health-related careers.