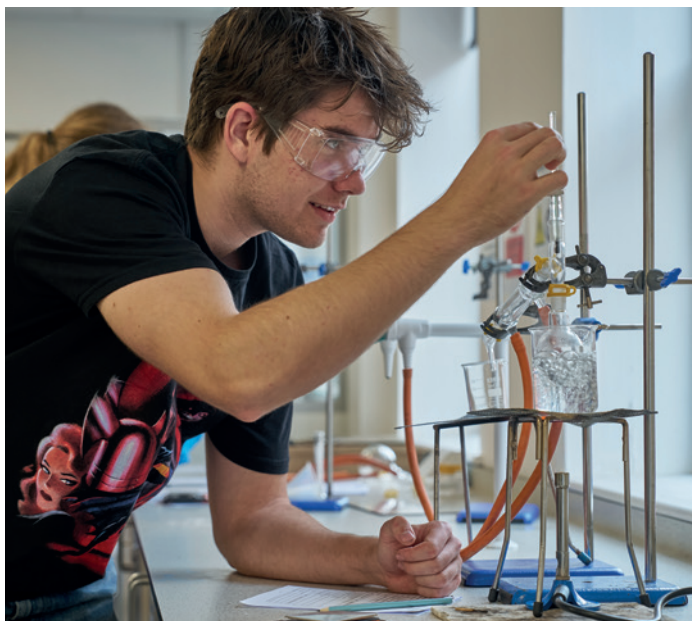


Chemistry



What our students say:

“I want to study medicine, so chemistry was a natural choice. The A Level was definitely really challenging, but teachers always went the extra mile to help me understand key concepts.”

Why this course is right for you:

Everything in the universe, from you to the stars, is made of 92 naturally-occurring elements. To understand chemistry is to understand the universe. Countless aspects of our lives are interconnected due to chemistry, and chemists explore the world at its molecular level.

As an A Level subject, this course fosters scientific curiosity, logic and creative problem-solving, working in the lab in an experimental capacity.

If you see a future in biochemistry, medicine, nursing, environmental sciences or forensic science, study chemistry. However, chemists also go on to have a huge range of careers outside STEM, from marketing to law and politics.

What you need to know:

Exam Board: OCR A

Who to speak to: Mr Hake

Topics Covered:

Topic 1 - Practical Skills in Chemistry
 Topic 2 - Foundations in Chemistry
 Topic 3 - Periodic table and energy
 Topic 4 - Core organic Chemistry
 Topic 5 - Physical Chemistry and transition elements
 Topic 5 - Organic Chemistry and analysis

Assessment:

100% written examination in year 13

Year 1:

Early Hurdle
 Module tests
 Paper 1 - Breadth in Chemistry (70 marks)
 Paper 2 - Depth in Chemistry (70 marks)

Year 2:

Module tests
 Paper 1 - Periodic table, elements and physical chemistry (100 marks)
 Paper 2 - Synthesis and analytical techniques (100 marks)
 Paper 3 - Unified Chemistry (70 marks)

Entry Requirements:

Grade 6 in GCSE Chemistry or grade 6, 6 in Combined Science required
 Grade 6 GCSE Maths required
 Grade 7 in GCSE Chemistry or grade 7, 7 in Combined Science desirable

Co-curricular/trips:

Chemistry Olympiad, STEM Smart (Cambridge University)