

Chemistry



Chemistry Staff

Ms A. Karim, BSc (Hons) [Head of Chemistry]
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Our students say...

"The experiments are detailed and contribute to the content of the course."

"Chemistry so far has been very interesting especially the de-bunking of GCSE content."

"Chemistry is a really tough course but I'm very much enjoying being more independent."

"Great teachers with a good sense of humour but with very high expectations of us which is good."

"I am enjoying doing calculations with interwoven formulas."

Current year 12 students

Our results 2018...

70% A*-C
97% A*-E

Entry Requirements

Grades 6 and above in Double Award Science or better.
Grade 666 in Triple Award Science or better
Minimum Grade 6 in Maths. Minimum Grade 5 in English.

Course Content —A level Qualifications (see examination types below for modules involved in each qualification).

[Module 1- Development of practical skills in chemistry](#)
[Module 2-Foundations of chemistry](#)
[Module 3-Periodic table and energy](#)

[Module 4-Core organic chemistry](#)
[Module 5- Physical chemistry and transition elements](#)
[Module 6- Organic chemistry and analysis](#)

This year is the third year of the A level changes. The A level exams are terminal, which means students will sit all of their exams at the end of 2 years. The practical endorsement is now a separate qualification and no longer contributes towards the A level grade.

Method of assessment

- A Level Paper 1 Modules 1,2,3,5 (2.25 hour exam)
 - 15 marks Multiple choice
 - 85 marks long response
- A Level Paper 2- Modules 1,2,4,6 (2.25 hour exam)
 - 15 marks Multiple choice
 - 85 marks long response
- A Level Paper 3- Modules 1-6 (1.5 hour Exam)
 - 70 Marks long response
- PRACTICAL ENDORSEMENT SEPARATE QUALIFICATION

Key Skills

Students develop their interest in and enthusiasm for Chemistry, including developing an interest in further study and careers in Chemistry. They will appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society; Students will develop and demonstrate a deeper appreciation of the skills, knowledge and understanding of How Science Works.

In addition to this students develop essential knowledge and understanding of different areas of chemistry and how they relate to each other. If you have an interest in the world around you and question the colours, sight, smells and substances that create everyday life then Chemistry is the subject to answer those questions.

Claude Louis Berthollet, an 18th century Chemist, once said that "Chemistry creates its own subject". One merely has to look around to appreciate that Chemistry is the most creative of the Sciences, all that you see around you is the product of the Chemical industry.

Extra-curricular

The Science department provides the following additional activities and support to students:

- A Year 12 STEM club for all students incorporating extra practical activities, external speakers and trips to UCL lectures.
- A Year 12/13 Gifted Scientist club for preparation for entrance exams in physics, computer science, engineering and materials courses at Oxbridge and Imperial.
- A Year 12/13 Medical Sciences club to guide students in making medical applications (BMAT/UKCAT) and learning about related disciplines.
- Dedicated revision sessions in year 13 to prepare students for the more demanding new linear exams.