

Chemistry

Why choose to study Chemistry?

You live in an age and culture which depends heavily on science and engineering. For instance, the environmental problems we face will ultimately be solved on the basis of detailed, accurate science. Chemistry is central among the sciences, in that it touches on physics in the most fundamental parts of the subject, and on biology in that much of modern biology relates to chemical processes.



Entrance Requirements

- Success at A Level requires a very good understanding of Science at GCSE Level. You should, therefore, have achieved at least one grade 6 in your GCSE Sciences.
- Calculations are an important part of the course, as are graphic skills and analysis of experimental data. You should have followed the Higher Tier Maths course at GCSE to meet the mathematical demands of the course.
- You will be required to complete 12 core practicals across the two years so good practical skills are essential.
- Good study skills and a commitment to independent learning.

Course Content & Learning Styles

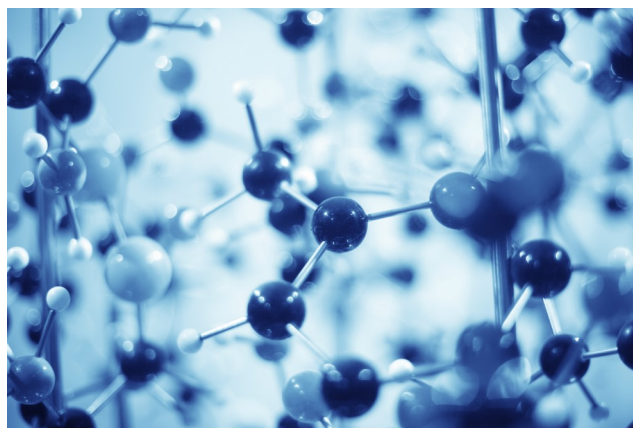
- You will study in more detail the same sort of areas of chemistry that you met at GCSE, although concepts and generalisations will become more important than specific facts.
- The chemistry of carbon compounds (organic chemistry) will take up more time than at GCSE.
- The extra-curricular programme will allow you to develop an interest in chemistry and other areas outside the sixth-form curriculum. You will have the opportunity to hear lectures at the 'A Level Chemistry Live!' conference.

What skills will I develop?

- Chemistry will develop your skills of clear and unambiguous communication, numeracy, planning a course of action, rigorous analysis of evidence and synthesis of conclusions from evidence.
- Your manual dexterity skills should improve.

Progression Opportunities

Apart from chemistry courses at university, chemistry gives you a huge range of career opportunities. For some it is essential – the chemical industry, pharmacy and medicine, for others it is preferred – engineering, chemical technology. Most chemistry graduates move into other career areas where their analytical skills and rigour are highly sought after e.g. accountancy.



Did you know...

Pope Francis and Angela Merkel both have chemistry degrees.