



CHEMISTRY

Chemistry helps us to understand the world in which we live and underpins a wide range of science-based degree courses and careers. Success with A level chemistry will prepare you for a future in chemistry, pharmacy, pharmacology, chemical engineering, biochemistry, biomedical sciences, medicine and dentistry.



Key Course Information

Assessment

Linear Exams and Practical Assessments

The A-Level Chemistry exam structure is comprehensive, designed to evaluate students' understanding of chemical principles, their application skills, and practical laboratory abilities.

Written exams form the core of the assessment, featuring multiple-choice questions, short-answer questions, and extended response questions that cover the breadth of the syllabus. These papers test students' knowledge, understanding, and ability to apply chemical concepts to novel situations.

Practical assessments are used to support the written exams. These test students' laboratory skills and their ability to carry out experiments safely and effectively.

Subject Combinations

Connected subjects

Selecting complementary A-Levels is crucial for those aspiring to enter fields such as medicine, pharmacology, and chemical engineering.

According to admissions criteria from prestigious universities, the most advantageous subjects to combine with Chemistry are:

- **A-Level Biology:** Essential for medical, pharmaceutical, and biological research careers.
- **A-Level Maths:** Provides the quantitative skills necessary for data interpretation in scientific research.
- **A-Level Physics:** Essential for students interested in chemical engineering or physical chemistry, as it gives a solid foundation in the principles underlying chemical processes.

Progression

Where can Physics take me?

A-Level Chemistry offers a deep dive into the essence of matter and its interactions, providing students with a strong foundation in scientific principles. This qualification paves the way for numerous opportunities in higher education and various career paths.

Chemistry is useful in many job areas including careers in medicine and pharmaceutical research as well as materials engineering, sports science and the environment.

A-level Chemistry is a facilitating subjects and a desirable qualification for many higher education courses. It can open up opportunities for further study and research.

For more information, contact the NIA Science team.

