

Chemistry Advanced Higher

Why take this course?

Advanced Higher Chemistry provides a coherent progression from Higher Chemistry. Students will continue to develop a detailed knowledge and understanding of a variety of topics. Practical experiments will allow students to further develop an evidence-based approach to their learning. The scientific literacy, verbal and written communication, numeracy and analytical skills developed during this course are transferable across subjects and will be invaluable for life, learning and work.

To succeed in this course, you need...

This course is recommended for pupils who have Higher Chemistry at grades A or B.

Strong maths and communication skills are essential. A high level of self-motivation and ability to work independently is required to cope successfully with the demands of the course.

Course structure and Content

Advanced Higher Chemistry comprises 3 Units:

Unit 1 Inorganic Chemistry

Unit 2 Physical Chemistry

Unit 3 Organic Chemistry and Instrumental Analysis

Unit 4 Researching Chemistry (incorporating the project)

The units include practical work which illustrates the concepts being taught and which provides training in a range of laboratory techniques and report writing.

More details about AH Chemistry can be found on the SQA website

Course Assessment

Component 1 — Exam question paper (110 marks)

Component 2 — Project (25 marks)

Where might this course take me?

The independent study, project planning, research and analysis skills developed at Advanced Higher level are relevant for all students.

Careers or programmes of study to which Advanced Higher Chemistry is particularly relevant could include; HND/degree programmes in a chemistry-based course leading to research and development, medicine, law, dentistry, veterinary medicine, engineering, environmental and health sciences, oil and gas exploration, astrophysical chemistry, renewable energy development, engineering, technology, pharmaceuticals, environmental monitoring, forensics, cosmetics and education.