

## Course Level

A Level

## Awarding Body

OCR

## Entry Requirements

2 Grade 6's in GCSE Triple Science including Chemistry

## Assessment

Practical Endorsement in Chemistry (non exam assessment)

12 compulsory practical coursework activities – pass/ fail)

### A Level

Paper 1 37% 2hr 15 mins - modules 1, 2, 3 & 5

Paper 2 37% 2hr 15 mins - modules 1, 2, 4 & 6

Paper 3 26% 1hr 15 mins - modules 1 to 6

## Course Description

This course will try to give students the skills and understanding to determine the way Chemistry affects their everyday life by applying concepts into contemporary areas of Chemistry including: climate change, green Chemistry, pharmaceuticals and Chemistry research.

- Development of practical skills.
- Foundations in chemistry.
- Periodic table & energy.
- Core organic Chemistry.
- Physical Chemistry and transition elements.
- Organic Chemistry and analysis.

**Is this the right subject for me?** To be suitable students need to:

- Have an interest in and enjoy Chemistry.
- Want to find out about how things work in the real world.
- Enjoy applying your mind to solving problems.
- Have gained a minimum of two B grades in Science (one of which must be in Chemistry).

### Trips

There are two Chemistry trips on offer to students. The Chemistry Lectures trip to the London University, Faculty of Education gives students an insight into the applications of Chemistry. The overseas trip to The Large Hadron Collider built by the European Organisation for Nuclear Research (CERN), in Geneva, provides an amazing experience to see science in action and links to many aspects of the A level course.

### Where can the study of Chemistry at A level take me?

Whilst many job opportunities specifically using Chemistry require higher qualifications, most laboratory based jobs benefit from a Chemistry qualification, for instance Dental Assistant or Veterinary Assistant. Many employers view success at GCE Chemistry as a clear indication of sound academic ability.

Many university courses have a significant proportion of Chemistry content and a GCE in Chemistry from OCR is excellent preparation for such further study. UK Higher Education institutions currently offer over 200 courses where Chemistry is the primary subject. Often these courses can include an additional year's study, either in industry or at a university abroad. Some courses can include study in other related areas. Examples include:

- Chemistry with Medicinal Chemistry.
- Chemistry with Forensic Science and Toxicology.
- Chemistry with Pharmacology.

Over 500 additional courses contain a notable element of Chemistry as well as allowing a degree of breadth of study. These include:

- Chemistry and Sports Science.
- Chemistry and Politics.
- Chemistry with Computer Science.

In addition a number of other courses either specifically require or find it desirable to have a GCE in Chemistry. These include courses such as Chemical Engineering, Medicine, Veterinary Medicine, Biological Sciences, Environmental Science, Pharmacy and Dentistry.