



Where
chemistry could
lead you

Chemical scientists are paid well

- 15% higher starting salaries for chemistry graduates compared with graduate average
- Chemistry graduates have a high employment rate
- >70% of chemistry students enter a professional or managerial role after graduation
- Double the UK average go into further study after graduation

Chemical scientists have the skills employers look for

Skills for successful careers:

- Problem solving
- Logical thinking
- Reasoning
- Numerical ability and computational skills
- Team working
- Communication

Picture: © Royal Society of Chemistry / Stephen Lake

You could become an

Analytical chemist: you check what chemicals there are in substances e.g. blood at a crime scene.

Laboratory technician: you collect samples, analyse and perform tests on chemicals, materials or products.

Medicinal scientist: you design and develop drugs to treat disease.

Production chemist: you develop and improve oil, cosmetics, fertilisers and other products

Some of the ways chemistry is used at work

Forensic Scientists use chromatography to help identify criminals and bring them to justice.

Automotive chemists use electrolysis to electroplate vehicles to make them last longer and to look good.

Food scientists use titration to discover the amount of salt or sugar in a product or the concentration of vitamin C, which can effect the product's colour



How to get qualified

Options after GCSE

Getting in to Chemistry

Continue studying

A levels:

two year curriculum study with final assessment. Emphasis on academic skill. Progression on to higher education, to an apprenticeship or entry level employment in the science sector. Recognised by UK universities

BTEC: level 3 in applied science (various options), flexible and equivalent to up to three A levels. Emphasis on vocational content. Progression to higher education, to an apprenticeship or entry level employment in the science sector. Recognised by some universities, check admissions policy of university

International Baccalaureate Diploma: two year programme, academic. Progression to higher education, to an Apprenticeship or entry level employment in the science sector. Recognised by many universities worldwide

Combine study with work

Options:

- **Apprenticeships** suitable if you know what occupation you want to pursue,