



## WHAT WILL I STUDY?

Chemistry is the study of matter. Often referred to as the 'central science', it bridges the gap between the intricate biological processes we observe in living organisms, and the unique behaviour of molecules at the quantum level.

OCR A Level Chemistry is split into six modules: practical skills in chemistry, foundations in chemistry, periodic table and energy, core organic chemistry, physical chemistry and transition elements, and organic chemistry and analysis.

These modules give you a deeper understanding of concepts established at GCSE level, and help develop the reasoning skills needed to explain unfamiliar phenomena in chemistry. You will also master a range of practical skills, through a variety of experiments, including the chemical analysis of unknown compounds, building and testing cells, and synthesising the drug aspirin.



## A LEVEL CHEMISTRY

### ENTRY REQUIREMENTS

A minimum of 5 GCSE subjects graded 9-5 including English and 2 GCSE subjects graded 9-6 including Maths and Combined Science / Chemistry

### COURSE FEATURES

- Partnerships with some of the UK's leading employers.
- Programme designed in response to the findings of some of the UK's leading universities and businesses.
- Exceptional learning facilities.
- Small class sizes.
- Additional academic support tutorials delivered individually or in small groups.
- Mock interviews.
- Opportunities to undertake enterprise projects and compete in local and national competitions.
- Enrichment opportunities that add value to applications for higher study and chosen careers, including an enhanced guest speaker programme.

Students undertake a work placement, voluntary and charity work opportunities. These experiences will help you build vital skills and expand your personal development, as well as boosting applications to top universities and employers.

The college's strong industry links, combined with its purpose built state-of-the-art facilities, provide the foundations for establishing a dynamic career, with the support of industry experienced professional tutors.

## ACADEMIC DEVELOPMENT

Students benefit from a range of extra qualifications, work placements, voluntary work and masterclasses, delivered by industry experts. Options include:

You will have the opportunity to broaden your understanding of HE pathways and employment prospects in STEM. Competitions such as the Cambridge Chemistry Olympiad will also be offered, to allow you to encounter fields of chemistry beyond the A Level specification, and to enhance your UCAS applications.

## COURSE LENGTH

A Level Chemistry is full-time for two academic years.

## HOW WILL I BE ASSESSED?

Through a combination of written exams and practical assessments.

## UNIVERSITY COURSES

A Level Chemistry is a gateway to a range of scientific disciplines, for example:

Biochemistry

Chemistry

Chemical Engineering

Forensic Science

Pharmacology & Pharmaceutical

It is also a strict requirement for almost all courses in Medicine, Veterinary Science and Dentistry.

## WHAT CAN I PROGRESS TO?

On successful completion we will support you in applying to prestigious universities nationwide to study. If you wish to secure employment, we will support you in your job searches and applications.

## CAREER ASPIRATIONS

Synthetic Chemical Industry

Medicine

Veterinary

Dentistry

Drug Design

Materials Engineering

Renewable Energy

Forensics and Food Science



If you have any queries please contact our Admissions Team: **01942 761 111** or email: **[applications@wigan-leigh.ac.uk](mailto:applications@wigan-leigh.ac.uk)**

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