

# A LEVEL CHEMISTRY

## OVERVIEW

Chemistry is the study of the chemical composition, properties and behaviour of all matter. Chemistry is a fundamental science that is essential for those wishing to study any medical related degree. By studying A Level chemistry, students will develop the skills and investigative approaches needed for undergraduate study and future chosen career paths in science. This course equips students with the sought after practical skills that underpin the study of chemistry and that are essential to scientific investigation at university.

Students will develop their practical and investigative skills, as well as studying inorganic, organic and physical areas of chemistry. A practical endorsement is also made to universities based on student performance on various practical skills and competencies over the two years.

## ENTRY REQUIREMENTS

Grade 6 in GCSE Chemistry or 6,6 in GCSE Combined Science and Grade 6 in GCSE Mathematics

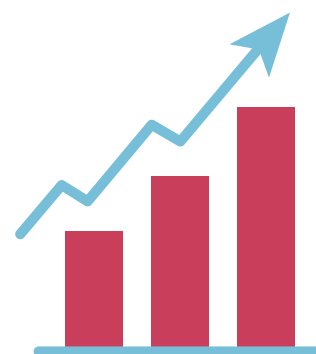
## ASSESSMENT

**Three external examinations:**

- Paper 1 = 35%
- Paper 2 = 35%
- Paper 3 = 30%

## COURSE UNITS

- Physical Chemistry
- Inorganic Chemistry
- Organic Chemistry



## FUTURE OPPORTUNITIES

Chemistry is an important subject for careers in: medicine, environmental science, engineering, toxicology, developing consumer products, metallurgy (studying how metals behave), space exploration, developing perfumes and cosmetics, pharmaceuticals, energy, teaching, science writing, software development and research.

## FURTHER INFORMATION

Chemists conduct experiments to study how elements work in different conditions, test how they mix, and work out what they are made up of right down to the tiniest particle. The results can be ground breaking, colourful, explosive, or almost impossible to see. Chemists use their experiments and knowledge to develop medicines, foods, fabrics and other materials, from neon lights to shatterproof glass. They also use it to understand the world around us, from why leaves change colour to discovering invisible pollutants in the air. Chemistry will help in your study of other sciences and technical subjects including: maths, physics, biology, engineering, IT, psychology, geography and geology.

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