A LEVEL CHEMISTRY

Awarding Body: AQA

FORTITUDINE CRESCAMUS

Examinations

Paper 1
Physical and inorganic, related practical skills 2 hours, 35% of the A-level, short and long answers
Paper 2
Physical and organic, related practical skills 2 hours, 35% of the A-level, short and long answers
Paper 3
Any content any practical skill 2 hours, 30% of the A-level, questions on practical techniques, data analysis testing across the specification 30 marks of multiple-choice questions.

Non-Examined Assessment

12 required practicals – internally marked and externally moderated.

Course content

The course looks at Inorganic, physical and organic chemistry, studying topics such as polymers like nylon; making aspirin; structure determination from multiple sources of data; why substances are coloured; how lithium-ion cells work; calculations of the amount of energy that can be released from a reaction and the proportions of products that should be made as well as the likely hood of a reaction occurring.

Entry requirements

Grade 7 or higher at GCSE Chemistry (triple award), or 8/7 or above at GCSE Science (Double Award), and grade 7 or higher in Maths. If Further Maths is taken alongside Chemistry at A Level, a grade 8 at GCSE Chemistry is required alongside a Grade 8 at GCSE Mathematics.

Future opportunities

Students can go on to study Medicine, but also Chemistry as a degree, as well as Pharmacy, Natural Sciences, Chemical Engineering and Materials Science.

Further information

Students have gone on to study Medicine, Zoology, Dentistry, Chemistry, Chemical Engineering and Natural Sciences at several leading universities including Oxford, Cambridge and a variety of London universities amongst others.