Chemistry

Overview

This course aims to encourage learners to; develop essential knowledge and understanding of different areas of the subject and how they relate to each other, develop and demonstrate a deep appreciation of the skills, knowledge and understanding of scientific methods, develop competence and confidence in a variety of practical, mathematical and problem solving skills, develop their interest in and enthusiasm for the subject and to understand how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society.

The A Level course is split into six teaching modules:

Module 1 – Development of practical skills in chemistry
Module 2 – Foundations in chemistry
Module 3 – Periodic table and energy
Module 4 – Core organic chemistry
Module 5 – Physical chemistry and transition elements
Module 6 – Organic chemistry and analysis

Exam Board

OCR

Specification
A level: H432

http://www.ocr.org.uk/Images/171720-specification-accredited-a-level-gce-chemistry-a-h432.pdf

Subject Specific Entry Requirements

A level Chemistry is a challenging course. It is therefore recommended that you should have achieved a Grade 6 in both Core and Additional Science or a 6 in Triple Chemistry, and at least a grade 6 in Maths at GCSE. If a student is not studying A level Maths, they will be invited to study AS Core Maths as a 4th subject alongside their Chemistry course, this has been shown to support improved outcomes for students.

"Chemistry is a challenging but enjoyable subject and the teachers are so supportive and friendly. They are always there if you are stuck."

Ellen

Assessment

A Level – two year course	
20% of the marks in the exams are Maths based	
Component 01: Periodic Table, Elements and Physical Chemistry assesses content from modules 1, 2, 3 and 5	**2 hrs 15 mins written paper, 100 marks** 37% of A Level
Component 02: Synthesis and Analytical Techniques assesses content from modules 1, 2, 4 and 6	**2 hrs 15 mins written paper, 100 marks** 37% of A Level
Component 03: Unified Chemistry assesses content from all modules (1 to 6)	**1 hr 30 mins written paper, 70 marks** 26% of A Level
Component 04: Practical Endorsement in Chemistry - (non exam assessment)	**Coursework** Reported Separately

Progression and Career Opportunities

Chemistry is essential for courses in Medicine, Dentistry or Veterinary Science. It is often required for other medical sciences such as Pharmacy, and is desirable but not essential for medically related courses such as Physiotherapy. Chemistry is respected as a challenging subject by all Universities and is useful in most other science related courses, such as Engineering, Environmental Sciences and Forensic Science.