

PROSPECTS RHAGOLYGON

Three main options for further study are available.

1. *A degree course at a University, or College.*
Most centres of Higher Education offer degree courses in chemistry and there are many courses which combine the study of chemistry with another discipline such as business studies, computing, German.
2. *Higher National Diploma (HND)*
HND courses are offered by Colleges and are normally sandwich courses involving a period of time in industry or commerce.
3. *Graduateship of the Royal Society of Chemistry (GRSC)*
These courses are also offered by most Colleges and usually involve day release study during employment. Initial study is for Higher National Certificate (HNC) leading then to Parts I and II of GRSC. This is internationally recognised as being equivalent to a First or Second class honours degree in chemistry.

Chemistry gives a person an excellent training for many jobs both scientific and non-scientific and those who are successful in the subject have proved that they are able to think logically, are creative, numerate and analytical. These skills are much sought after and would enable a career in areas such as computing or finance to be followed as well as a career which used chemistry directly. Chemists also make good managers and this is recognised in most fields. A qualification in chemistry ensures that many career options are kept open.

FOR MORE INFORMATION AM FWY O WYBODAETH

Students interested in following Chemistry should contact subject staff.

Subject Staff Staff y Pwnc

Mrs Sarah Llewellyn-Davies B.Sc.
Mr Jack Evans M.Chem.
Dr Amanda Heath B.Sc. MEP, PhD
Mrs Kathryn Jackson B.Sc. (Hons)

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AS / A2 Level
Lefel AS / A2

CHEMISTRY CEMEG

Science Learning Area

WELSH JOINT
EDUCATION COMMITTEE
Course Director: Dr Amanda Heath

■ COURSE DETAILS MANYLION Y CWRS

AS level Chemistry is a one year course and A2 Level Chemistry is a two year course designed to cater for candidates who wish to continue with further studies in Chemistry as well as those requiring a chemical background for study in other subject areas.

The course presents some of the knowledge, concepts, techniques and structural relationships of Chemistry under the broad areas of Organic, Physical and Inorganic Chemistry.

Organic Chemistry involves the study of carbon compounds whilst Physical Chemistry concentrates on areas such as Atomic Structure, Bonding and Energetics. Inorganic Chemistry covers a detailed look at the patterns of reactions involving several groups of the periodic table. Practical work also forms an important part of the course in order to establish basic experimental techniques.

Finally, an underlying theme of the course is to show that the interaction between chemistry, industry and society have important economic and environmental consequences for the whole community.

■ SPECIFICATION MANYLEB

The specification is covered by four modules, CH1, CH2, CH4 and CH5. A brief outline of their content is:

AS

Unit 1 The language of chemistry
Structure of matter
Simple reactions

Unit 2 Energy
Rate
Chemistry of Carbon Compounds

A2

Unit 3 Physical and Inorganic Chemistry

Unit 4 Organic Chemistry and Analysis

Unit 5 Practical

■ ASSESSMENT ASESIADAU

Advanced Subsidiary (AS)

Candidates have to complete the following Assessment

Unit 1 Paper 1 hr 30 mins

Unit 2 Paper 1 hr 30 mins

(Two experiments)

Unit 1 and Unit 2

Advanced Level (A2)

AS plus the following A2 Level units:

Unit 3 Paper 1 hr 45 mins

Unit 4 Paper 1 hr 45 mins

Unit 5 Practical Examination

Units 3, 4 and 6 are examined in June.

■ LINKS/SUBJECT ENHANCEMENT CYSYLLTIADAU GWELLA PWNC

Attending lectures sponsored by the Royal Society of Chemistry. Visiting a university to attend Organic Chemistry workshops.

■ ENTRY REQUIREMENTS GOFYNION MYNEDIAD

A GCSE grade B or above is the normal entry requirement to ensure that students stand a good chance of coping with the demands of the course but all prospective candidates are treated individually and judged on other factors such as motivation and determination.

■ COMPLEMENTARY AREAS OF STUDY ADRANNAU ASTUDIO CYFOES

Chemistry combines particularly well with Mathematics, Physics, Biology and Geography but is equally useful with many other subjects.