

# WJEC Level 3 Applied Science



## Entry Requirements

Students should have achieved a minimum of 5 GCSEs A\* - C (Please note that subjects can only be counted once); national data shows that this course is not suitable for students with an average GCSE points score of less than 39. In the past, successful students of this course have achieved a minimum of a GCSE grade C in Science. The course itself involves a significant amount of independent study and detailed written assignment work. Students should bear this carefully in mind when they are making their course selection.

## Course description

The aim of the AS course is to help students to acquire knowledge and understanding of the scientific ideas and skills that scientists need in order to be effective in their work and then to apply this in a variety of vocational contexts. The course is designed to help students to develop an understanding of the science used by organisations, business and industry and to understand the nature of science-based work and the contribution this use of science makes to society.

## Learning Style

There is a large element of practical work, primary research, planning and evaluation.

## Assessment

AS Units -	ASC1 Health Science	33%
	ASC2 Analysis	33%
	ASC3 Energy and Environment	33%

The health science unit is the only unit which is externally examined. Main areas of study are the heart, the respiratory system and Medical Imaging Techniques.

The Analysis and Energy and Environment units are assessed internally by a series of assignments. Areas of study include, Sampling, Chromatography and Qualitative and Quantitative analysis, In addition to Energy Pathways and Fuels.

## Career Opportunities and Pathways

Laboratory technician careers in:  
Chemical industry  
Health service  
Analytical chemistry  
Laboratory support technicians in schools and industry

## Subject Staff contacts for further information:

Mr I Henderson	Kingsmead
Mr Pollock	Kingsmead
Mrs Fraser-Ryan	Norton Canes
Mrs Hyde	Blake