

Level 3 Extended Certificate in Applied General Science

OCR

Assessment

The qualification is made up of 40% examined content and 60% non-examined assessment (NEA) content. This approach supports you to develop both theoretical knowledge and understanding and the skills needed to apply it in a range of contexts.

Units

Fundamentals of Science- this unit is assessed by an exam.

In this unit you will learn about the key topics that are important in Biology, Chemistry and Physics.

Science in society- this unit is assessed by an exam.

In this unit you will learn about the skills scientists use and the roles they perform in an international scientific community. You will examine different types of scientific data and learn how scientists use them to draw conclusions that can contribute to scientific advancement.

Investigating science- this unit is assessed by an assignment.

In this unit you will learn about the role of a research scientist in industry by learning how to conduct your own scientific investigation. You will develop the skills to research, plan and risk assess your investigation before safely undertaking the practical tasks.

Optional units to be confirmed– you must take two of these units:

Analytical techniques in chemistry- this unit is assessed by an assignment.

In this unit you will learn how to plan and perform practical investigations to separate substances and purify them.

Environmental studies -this unit is assessed by an assignment.

In this unit, you will learn to use primary and secondary data to study ecosystems. You will develop the skills to carry out in situ fieldwork investigations to survey an area using different sampling techniques

Forensic biology -this unit is assessed by an assignment.

In this unit you will learn how to perform investigations of the macro- and ultrastructure of cells and tissues from fresh and prepared material, using optical microscope techniques and electron micrographs

Medical physics- this unit is assessed by an assignment.

In this unit you will learn about the different diagnosis techniques and therapies used in medicine.

Subject combinations

The following subjects would be suitable to combine with this qualification:

Psychology, Sociology, Geography, Health and Social Care, PE/Sport

Career Paths

Sport & Exercise Sciences, Science Education, Health and Social care, Biomedical Sciences, Health and Nursing, Life Sciences, Forensic Sciences

ENTRY REQUIREMENTS: GCSE Science Trilogy (combined) Grades 9-5 or Separate science (triple grades 9-5).
Maths and English GCSE Grade 9-5