



APPLIED SCIENCE

Who is this qualification for?

The Pearson BTEC Level 3 National Extended Certificate in Applied Science is intended as an Applied General qualification for post-16 learners who want to continue their education through applied learning and who aim to progress to higher education and ultimately to employment, possibly in the applied science sector. The qualification is equivalent in size to one A Level .

How will you be assessed?

The content of this qualification has been developed in consultation with academics to ensure that it supports progression to higher education. Employers and professional bodies have also been involved and consulted to confirm that the content is appropriate and consistent with current practice for learners planning to enter employment directly in the applied science sector.

Learners will study three mandatory units:

- **Unit 1:** Principles and Applications of Science I - Examination
- **Unit 2:** Practical Scientific Procedures and Techniques - Internally assessed Tasks
- **Unit 3:** Science Investigation Skills - Externally assessed practical skills

Learners choose one optional unit which has been designed to support choices in progression to applied science courses in higher education. These are assessed through a portfolio of tasks.

Optional units include:

Physiology of Human Body Systems, Human Regulation and Reproduction, Biological Molecules and Metabolic Pathways, Genetics and Genetic Engineering, Diseases and Infections, Applications of Inorganic Chemistry Applications of Organic Chemistry, Electrical Circuits and their Application, Astronomy and Space Science.

Students must achieve a pass in all units to achieve a grade

What could this qualification lead to?

The requirements of the qualification will mean that learners develop the transferable and higher skills which are valued by higher education providers and employers. For example, when studying Unit 3: Science Investigation Skills, learners will develop skills including how to plan investigations, collecting, analysing, and presenting data and communicating results which support some of the skills learners need to progress to higher education, employment, self-employment or training.

The qualification carries UCAS points and is recognised by higher education providers as contributing to meeting admission requirements for many courses.

Entry requirements

A minimum of Grade C (or Grade 4 in the reformed subjects) in at least 5 GCSE subjects, including Mathematics and English Language. In addition, Science Core and Additional at C grade or above are required.

Belong

Grow

Succeed