

# BTEC Level 3 Applied Science



The Level 3 BTEC National Extended Certificate in Applied Science qualification has been developed to ensure that it supports progression to higher education and those planning to enter employment or apprenticeships in the applied science sector. Through applied learning, students develop transferable and higher order skills such as communication, problem-solving, time management, organisational and practical skills. These are highly regarded by both HE and employers.

The course focus on skills-based learning and are designed around themed units. The testing is done throughout the course using assessments based on real life scenarios. This practical approach allows learners to develop and apply the knowledge and skills that employers and universities and looking for.

Everyone taking this qualification will study three mandatory units:

- Principles and Application of Science (examination 50%)
- Practical Scientific Procedures and Techniques (coursework 25%)
- Science Investigation Skills OR Contemporary Issues in Science (coursework 25%)

## Subject specific entry requirements

*In addition to the standard entry requirements, the following subject entry criteria should be met:*

- Double grade 66 if combined science. Separate science requires Grade 6 in any one of the three science GCSE subjects

## Exam Board

**Edexcel** BTEC Level 3 Alternative Academic Qualification BTEC National Extended Certificate in Applied Science

<https://qualifications.pearson.com/en/qualifications/btec-nationals/applied-science-aag.html>

## Pathways

Applied science sits in both the Health and Paramedic pathway as the study of chemistry and biology alongside the scientific method and practical work is an excellent path into health applied professions.

Alternatively applied science also sits in the STEM pathway and could be combined with any of the other maths or science and engineering courses for an excellent scientific grounding prior to university or apprenticeship post-18 choices.

## Assessment

The course is assessed by case studies, assignments and an external exam. You should enjoy and be good at working independently and meeting deadlines, solving problems and researching information from new sources. The qualification will have an overall of Pass, Merit or Distinction calculated on the total points achieved from internal and external assessment.

The Edexcel BTEC Level 3 National Extended Certificate in Applied Science is a 360 guided learning hour (GLH) qualification that consists of three mandatory units

In Year 12, students take three compulsory units:

- Principles and Applications of Biology (exam - externally assessed)
- Principles and Applications of Chemistry (exam - externally assessed)
- Principles and Applications of Physics (exam - externally assessed)

In Year 13, the student adds two further units to those already taken:

- Practical Scientific Procedures and Techniques (Set Assignment Brief – internally assessed)

The final unit is chosen from:

- Science Investigation Skills (Set Assignment Brief – internally assessed), OR
- Contemporary Issues in Science (Set Assignment Brief – internally assessed),

## This course will lead to:

The qualification is equivalent in size to one A level. The qualification carries UCAS points and is recognised by several universities as contributing to meeting admission requirements for many courses, some of which including Food science, Forensic science, Laboratory assistant, Health Science, Industry technician, Medical technician and Pharmaceutical industry.

*"The BTEC Applied Science course is fun, hands-on and interesting and has given me loads of options for a future career".*