

BTEC Level 3 Applied Science



The BTEC Level 3 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 25%)
- Practical Scientific Procedures and Techniques (coursework 25%)
- Science Investigation Skills (practical task 33%)
- Students also choose one option unit (coursework 17%)

Subject specific entry requirements

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

- Double grade 4-4 if combined science. Separate science requires Grade 4 in two out of the three science GCSE subjects

Exam Board

Edexcel BTEC Level 3 National Extended Certificate in Applied Science (NQF)

<https://qualifications.pearson.com/en/qualifications/btec-nationals/applied-science-2016.html#tab-1>

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 and one optional unit.

In Year 12, students take two compulsory units:

- Principles and Applications of Science I (exam - externally assessed)
- Practical Scientific Procedures and Techniques (internally assessed)

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

One further mandatory unit:

Science Investigation Skills (synoptic set task - externally assessed)

One further optional unit (internally assessed) from:

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	

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”.