

APPLIED SCIENCE BTEC National

Qualification BTEC Level 3 National Extended Certificate in Applied Science

Exam Board Pearson Edexcel

Course Specific Entry Requirements Grade 4s or above in GCSE Combined Science **or** Grade 4 or above in GCSE Biology, GCSE Chemistry **and** GCSE Physics

Overview

The BTEC Level 3 National Extended Certificate in Applied Science is a practically based course of study which will develop your skills and confidence in the laboratory as well as teaching you the theory required to succeed.

The course consists of four units, of which three are mandatory and two are externally assessed. Completion of all four units is required in order to qualify for certification.

What will I learn?

In the **first year** of the course you will study:

- ▲ **Principles and Applications of Science** (*externally examined unit*)
- ▲ **Practical Scientific Procedures and Techniques** (*internally assessed portfolio*)

In the **second year**, you will learn about:

- ▲ **Science Investigation Skills** (*externally assessed practical skills assessment*)

You will also study a choice of **one unit** from the following (*internally assessed portfolio*)

- ▲ 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
- ▲ Microbiology and Microbiological Techniques

How will I learn?

Your lessons will take many forms, with a heavy emphasis on practical skills, and will involve a range of interactive teaching and learning strategies. There may be lectures, seminars, discussion groups in addition to the practical work. You will be expected to read journals, engage in debate and to take an active part in your own learning.

Where could it lead?

Once this qualification is gained, the natural progression is to Higher Education, Further Education or employment. Former students have gone on to study nursing, midwifery, social work and sport sciences. YouGov research reveals that 62% of large companies have recruited employees with BTEC qualifications. What's more, well over 100,000 BTEC students apply to UK universities every year and their BTEC Nationals are accepted by over 150 UK universities and Higher Education institutions for relevant degree programmes either on their own or in combination with A Levels.