



BTEC APPLIED HUMAN BIOLOGY

Level of Study: Level 3

Extended Certificate: 4 units (equivalent to 1 A level)

Description of Course

The level 3 BTEC in Applied Human Biology Extended Certificate is a pathway to a career in Health Sciences. It provides learners with a solid foundation for progression into Health and Health Science sectors. Example career options include Medicine, Occupational Therapy, allied Health and Sciences including Life Sciences, Clinical Biomedical Sciences, Physiological Sciences and much more. Through the course's fundamentally learner-centered approach, learners are able to gain valuable experience working in a range of settings including hospitals, private clinics, industry, research institutes and community healthcare.

The Applied Human Biology course gives students a broad understanding of biological principles including cells, tissues and practical microbiology. This course is ideal for students who thrive in an engaging and hands-on style of learning with less reliance on examinations.

Learners on the Extended Certificate course will study *three* mandatory units:

- Principles of Applied Human Biology
- Practical Microbiology and Infectious Diseases
- Human Biology & Health Issues

Learners will also study *one* further unit, which has been designed to support progression to applied Human Biology, Health and Health Science courses in higher education. This unit will include one of the following topics:

- Functional Physiology
- Diseases, Disorders, Treatments and Therapies
- Genetics and Genetic Engineering
- Biomedical Science
- Human Reproduction and Fertility

Skills Required

Enthusiasm and a keen interest in Health Science and associated professions are key to succeeding in this course. A commitment to hard work and the ability to work as part of a team would benefit the learner. Good research and investigative techniques are a useful skill to support your coursework load along with the ability to organise your time effectively.

Entry Requirements

At least 5 GCSE passes including a minimum of 4-4 in Combined Science or 4-4-4 in Triple Science and a grade 4 or above in English Language and Maths.

Methods of Assessment

This course offers a learner-centered approach and provides opportunities for learners who lack confidence in examinations to gain important UCAS points through coursework completed throughout the year. There are 4 assessed units in total. Two of these units will be internally assessed through coursework including case studies, information booklets, essays, discussion based exercises and presentations. Two of the units will be externally assessed through one examination and one written task.



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Education Progression and Career Opportunities

The BTEC Applied Human Biology Extended Certificate carries UCAS points and is recognised by higher education providers as contributing to admission requirements of many relevant applied Human Biology/Health Science courses. When combined with other qualifications within a two-year study programme, such as AS/A Levels or a BTEC National Foundation Diploma or a BTEC National Diploma in a complementary sector, learners can progress into higher education, such as:

- BSc (Hons) in Occupational Health if taken alongside, for example, a Pearson BTEC Level 3 Diploma in Health and Social Care
- BSc in Nursing or Midwifery if taken alongside, for example, a Pearson BTEC Level 3 Extended Certificate in Health and Social Care
- BSc (Hons) in Sport Science if taken alongside, for example, a Pearson BTEC Level 3 in Sport
- BSc (Hons) in Nursing if taken alongside, for example, A Levels in Psychology and Sociology

The requirements of the BTEC Applied Human Biology qualification will mean that learners develop the transferable and higher-order skills that are highly regarded by higher education and employers. The health sector is one of the largest employment sectors in the UK with around 50,000 people employed in applied health science occupations. The applied health and health science sectors play a crucial role in improving and supporting the health of the nation.