Integrity
Curiosity
Respect

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Medical Science

PEARSON LEVEL 3 AAQ BTEC NATIONAL IN MEDICAL SCIENCE
(EXTENDED CERTIFICATE)

WHAT IS MEDICAL SCIENCE?

Students will develop knowledge and understanding of human physiology, anatomy and pathology. They will learn, secondary research skills including collection and interpretation of data from valid sources and drawing reasoned conclusions. Students will develop practical skills in microbiology and their application in the diagnosis of disease. Students can also develop other transferable skills such as personal responsibility and independent learning.

WHY STUDENTS CHOOSE THIS COURSE

The core and specialist medical science knowledge, understanding and skills that students develop create a good foundation for transition to related degrees. Skills such as critical thinking and independent learning help students to be better prepared for the self-directed learning approach used in higher education and become more open-minded to learning. Research skills, in combination with other transferable skills, create a strong foundation for academic success.

WHAT STUDENTS CAN DO WITH THIS COURSE

The qualification is designed to be taken alongside A Levels as part of a program of study. It links to learning in A Level subjects such as physical education and sport, sociology, chemistry, and psychology. It is intended for students that wish to progress into higher education as a pathway to employment. It will be of particular interest to students who are looking at studying Biomedical Science or studying to become an Allied Health Professional.

HOW THIS COURSE IS ASSESSED

Though a mixture of exams and coursework, two modules are examined and two are coursework.

ENTRY REQUIREMENTS

All our course entry requirements are detailed in the Entry Requirements document located in the admissions section of our website.

FURTHER READING

https://qualifications.pearson.com/content/dam/pdf/btec-aaqs/medical-science/2025/specification-and-sample-assessments/btec-l3-medical-science-aaq-spec.pdf

What the course covers

The qualification has three mandatory units covering the following topics:

Human Physiology, Anatomy and Pathology
Human body systems, cell ultrastructure, and how substances are transported

Health Issues and Scientific Reporting
The immune system, its dysfunction and genetic technologies. The validity and reliability of information used in health science reporting

Practical Microbiology and Infectious Diseases
Methods of pathogenicity and infectious agents, growth of microorganisms and health and safety in a laboratory environment

We will have the choice to study one of the following units in year 2:

- Diseases, Disorders, Treatments and Therapies.
- Biomedical Science
- Human Reproduction and Fertility

