



BTEC Applied Science (Medical Science) 90 Credit Diploma - S143

This practical, work-related course will provide you with a solid foundation in various aspects of medical science, biology and physics. This course is one of the recommended pathways for those seeking a career in nursing.

COURSE DETAILS

The course is made up of 9 units. Core units include:

- Fundamentals of Science
- Working in the Science Industry
- Scientific Investigations
- Scientific Practical Techniques
- Using Mathematical Tools in Science (half unit)

Optional units (chosen from the list below to meet the needs of the majority of learners)

- Mathematical Calculations for Science (half unit)
- Using Statistics in Science (half unit)
- Using Science in the Workplace
- Physiology of Human Body Systems
- Physiology of Human Regulation and Reproduction
- Biochemistry and Biochemical Techniques
- Energy Changes, Sources and Applications
- Microbiological Techniques
- Chemistry for Biology Technicians
- Electrical Circuits and their Industrial Applications
- Genetics and Genetic Engineering
- Practical Chemical Analysis
- Medical Physics Techniques
- Biomedical Science Techniques
- Chemical Laboratory Techniques
- Physiological Investigations

- Diseases and Infections

ENTRY GUIDELINES

Priority will be given to applicants who are aged 16-18 years old.

4 GCSEs at grade 9-4 (A*-C), including English Language, Maths and two Science GCSEs.

or

Relevant Level 2 qualification at merit or distinction and English Language and Maths at grade 9-4 (A*-C).

and

Satisfactory interview, assessment and school report or reference.

EQUIPMENT REQUIRED

To learn effectively on your course you will need to use certain items of equipment and undertake particular activities as part of your studies. To further enhance your learning experience the following will be required: Personal Protective Equipment £20 Educational Visits £60 If you need support with these costs, don't worry, click on the link below and complete a bursary application form. <https://www.wmc.ac.uk/student-support/financial-support/bursaries-loans> Equipment purchased will be yours to keep and you will be able to use them for practice at home and in your future career. N.B. prices correct as of 23/06/2021

ASSESSMENT METHOD

Assessment is mainly by assignment.

ADDITIONAL INFORMATION

Are you aged 16-18?

Study programmes are full-time courses for 16-18 year olds which include:

- A qualification such as BTEC Extended Diploma
- Meaningful work experience or preparation for work

- English and maths, if you don't already have GCSE grade A* - C (or Grade 4 or above) in English and maths
- Non-study activities such as tutorials, voluntary work, fund-raising/charity work, sport or trips

WHERE CAN I PROGRESS TO?

- BTEC Applied Science Extended Diploma.
- Entry into laboratory, technical, scientific or other employment
- Progression to an advanced apprenticeship or higher level apprenticeship in a medical or laboratory environment

If the Extended Diploma in Applied Science is completed then:

- Entry to university study for a degree in, for example, biomedical science biochemistry, genetics, microbiology, biology, education, nursing, zoology or radiography
- Entry to Wirral Metropolitan College's HNC or HND Diplomas in Applied Biology / Foundation Degree in Chemistry

Explore potential careers via [Career Match](#) — it provides current local data on wages and employment prospects.

You could progress to these Wirral Met courses:

- [S201 - BTEC Applied Science Level 3 Extended Diploma](#)

WHEN DOES THIS COURSE RUN?

For advice and guidance, please contact Student Services via our [online enquiry form](#)

This information was current on 27th January, 2023 and may be subject to change.