



MEDICAL SCIENCE

WHAT IS MEDICAL SCIENCE?

Medical Science is the science of dealing with the maintenance of health and the prevention and treatment of diseases. This qualification covers the key topic areas of health, physiology and disease, as well as providing the opportunity to study the areas of physiological measurement and medical research not covered in the biology specification.

WHY STUDENTS CHOOSE THIS COURSE

Students choose to follow this course if they are wishing to pursue a career in medicine or dentistry and want to add something extra to their A Level profile.

It broadens the experience of students and directly references the work of healthcare practitioners in the NHS as students develop an understanding of conduct and confidentiality alongside the anatomy, physiology and pathology of the human body.

Students that study medical science must be very self-motivated and able to manage their time effectively as the course is studied as a fourth A level. This fast-track course is equivalent to half an A level.

WHAT STUDENTS CAN DO WITH THIS COURSE

This fast-track course can only be chosen as a fourth course. Students will receive an A level equivalent qualification in the summer of year 1. Students choosing this course will be considering a career in medicine or

dentistry. This course is not accepted as a qualification in its own right for medicine.

HOW THIS COURSE IS ASSESSED

All assessment takes place in year 1:

Unit 1 - 2 hour externally assessed written examination (50% of the marks). This paper is synoptic and covers each of unit 1-3 with an emphasis on unit 1 (a maximum of 93% of the total marks).

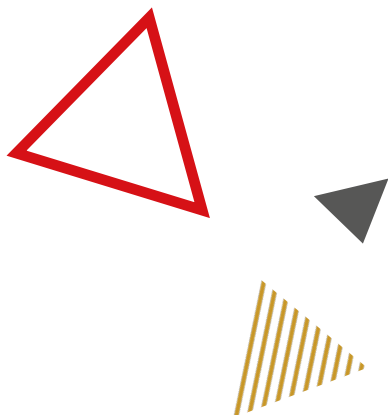
Units 2 & 3 - internally assessed timed controlled assessment (50% of the marks - 25% per assessment)

ENTRY REQUIREMENTS

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

FURTHER READING

For information on healthcare careers: <https://www.healthcareers.nhs.uk/explore-roles> For information on disease: <https://www.nhs.uk/conditions>



WHAT THE COURSE COVERS

Unit 1: Human health and disease.

Students will develop knowledge and understanding of human anatomy and physiology, and of the function of organ systems. They will also begin to learn about the pathology of these body systems as they study infectious and non- infectious disease.

Unit 2: Physiological measurement techniques.

Students examine physiological measurements that can be made to assess the function of major body systems. The unit relates anatomy and physiology to physiological measurement test results, through an understanding of the principles of the measurement techniques. Such tests include peak flow, ECG and using a digital sphygmomanometer to measure blood pressure.

Unit 3: Medical science research methods.

This unit develops knowledge and understanding of planning, conducting and reporting of research in medical sciences using a range of methodologies and techniques. This is linked to a current hot topic in healthcare.

STUDENT PROFILE

MILDRED ESSANDOH

SCHOOL ATTENDED:

St Bede's and St Joseph's Catholic College

GRADUATED WITH:

Medical Science	A
A level Chemistry	A
A level Biology	A*
A level Maths	A

DESTINATION:

Brighton and Sussex Medical School
studying Medicine

I really enjoyed studying Medical Science in YRI. It helped me to learn more about this exciting field and also work alongside other students who wanted to pursue a career in Medicine.



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