

BIOMEDICAL SCIENCE

Our Biomedical Science degree enables you to explore the sciences related to medicine and in particular, the specialist disciplines of diagnostic Biomedical Science as practised in Health Service Laboratories. Our degree is accredited by the Institute of Biomedical Science and is aimed at students wishing to pursue a career in diagnostic laboratory science as biomedical scientists within the NHS, research or management careers in the pharmaceutical industries or academic research.

COURSE CONTENT

Biomedical Science comprises the sciences related to medicine and in particular these specialist disciplines of diagnostic Biomedical Science as practised in Health Service Laboratories:

- Clinical Bacteriology and Immunology
- Clinical Biochemistry
- Haematology and Transfusion Science
- Histopathology and Cytology

Further modules provide a sound background to other fundamental areas of Biomedical Sciences (including Anatomy and Physiology) along with cutting-edge subject areas of relevance to Life Science careers.

The modules are:

Stage 1

- Molecular Basis of Life
- The World of Microorganisms
- Human Structure and Function
- Skills for Scientists

Stage 2

- The Sciences of Disease
- Cell Biology and Clinical Genetics
- Professional Practice in Biomedical Science
- Skills for Scientists 2

Stage 3

- Research Project
- Molecular Markers of Disease
- Biology of Human Infection
- Clinical Biochemistry

WHY QUEEN'S?

Global Opportunities

The School has established links with two universities in the USA - the University of Nevada in Reno and the University of Vermont, where several students are given the opportunity to work in their research laboratories for a year between second and final year.

Professional Accreditation

This degree, which is accredited by the Institute of Biomedical Science, is aimed at students wishing to pursue a career in diagnostic laboratory science as biomedical scientists within the NHS, research and development or management careers in the pharmaceutical industries and/or academic research.

World-Class Facilities

The School has excellent research facilities as well as strong links with clinical departments.

Internationally Renowned Experts

Our teaching staff comprises enthusiastic teachers with World-Class research in the biomedical sciences. Professional biomedical scientists from NHS laboratories also make a major contribution to the degree.

BSc Honours

Biomedical Science 3 yrs (B940)

See also Human Biology

Entrance Requirements

A-level:

AB (in any order in Biology/Human Biology and Chemistry) B + GCSE Mathematics grade C/4

OR

A (Biology/Human Biology or Chemistry) AB including a second science subject (see list below) + GCSE Biology grade C/4 and Chemistry grade C/4 or GCSE Double Award Science grades CC/44 + GCSE Mathematics grade C/4.

Acceptable second Science subjects:

Computer Science, ICT, Environmental Science, Environmental Technology, Geography, Geology, Home Economics, Mathematics, Nutrition & Food Science, Physics, Physical Education, Psychology, Technology & Design. Other subjects considered on an individual basis.

For students whose first language is not English

An IELTS score of 6.5 with a minimum of 5.5 in each test component or an equivalent acceptable qualification, details of which are available at: go.qub.ac.uk/EnglishLanguageReqs

CAREERS/FURTHER STUDY

The BSc in Biomedical Science at Queen's is aimed at students wishing to pursue a career in:

- Diagnostic laboratory science as Biomedical Scientists within the National Health Service
- Clinical trials relating to drug registration and patents
- Government or Charity-funded research laboratories
- Management careers in the Pharmaceutical or Biotechnology Industries
- Academic Research and Development
- Postgraduate entry to Medicine, Dentistry and allied health professions after gaining a strong scientific training at undergraduate level

In addition to graduates in Biomedical Science being interested in pursuing a career in the field, the degree also affords opportunities for careers in the broad field of medicine and medically-related subjects such as medical sales and science writing. In addition, the degree provides access to graduate jobs in other disciplines.

Further Study

Many students go into further study after their degree, completing Master's and PhDs and a significant proportion of graduates gain entry to a Medical or Dental degree both at Queen's University Belfast and abroad.



“The knowledge and experience I gained in my time of study at Queen's has been invaluable. Having the opportunity to work alongside leading academics in my final year Honours project allowed me to develop the skills that will benefit me in my future career as a Biomedical Scientist in the NHS. “

James Allen BSc (Hons)
Biomedical Science Graduate, 2018

Entrance requirements

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Course information

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