



Queen's University
Belfast

SCHOOL OF
Medicine, Dentistry and
Biomedical Sciences

We are exceptional

BSc Biomedical Science

Study Biomedical Science at Queen's

BSc Biomedical Science

- Queen's University Belfast (QUB) is ranked as 1st for Medical Science and Pharmacy in the Sunday Times University Guide 2013.
- QUB has recently secured £32 million to establish a world-leading Centre for Experimental Medicine. This centre will concentrate Biomedical scientific research on eye disease, diabetes and the genetics of complex chronic diseases.
- A number of exciting scholarships will be available to talented and successful applicants.
- Biomedical Science students at Queen's have the opportunity to carry out laboratory research projects as part of internationally recognised research teams in the areas of Cancer, Vision and Vascular Science, Infection and Immunity

and Public Health. Many of the projects offered in coming years will take place in the new Centre for Experimental Medicine or one of our other purpose-built research facilities.

- **The course is accredited by the Institute of Biomedical Science.**

"I chose to study Biomedical Science at Queens because of its outstanding reputation and prestige in the field of research and science. Also, I was looking for a university situated in a quiet, serene environment - not too small and secluded a town, and neither too big nor bustling a city; that is what Belfast is. I would say Belfast is just perfectly tucked in the middle".

(Kelly Khoo, Graduate, BSc Biomedical Science)

"The Biomedical science courses are interesting and relevant, and taught by lecturers that are currently doing research in the field in which they teach. After completing a summer studenship for 8 weeks and now working on my final year honours project, I am considering applying for an M.D./Ph.D. with a new found love of research. I would highly recommend Biomedical Science at Queen's!".

(Shannon Harkins, Final Year International Student (USA), BSc Biomedical Science)

The Subject

Biomedical Science comprises the sciences related to medicine and in particular the 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

The Biomedical Science programme at Queen's is based on a foundation knowledge at Stage 1 of Integrated Human Anatomy and Physiology, mammalian Biochemistry, Genetics and Molecular Biology, and Micro-organisms. This theme is continued at Stage 2 with an integrated presentation of human disease mechanisms (Pathobiology), specialist knowledge of all the individual disciplines within diagnostic Biomedical Science (Biomedical Science in Practice), the core Biomedical Science subjects of Molecular Cell Biology and Molecular Genetics, and finally a stand-alone module in Immunobiology, which provides an underpinning for much of our teaching in human disease as well as modern assay techniques. The clinical disciplines of Clinical Biochemistry, Bacteriology, Haematology and Histopathology are further developed at Stage 3 in conjunction with a double module of individual research by every student in a final year laboratory project.

Entry Requirements

Academic:

- A-levels: ABB. Two Science subjects including Biology/Human Biology or Chemistry (preferably both) + GCSE Mathematics Grade C or equivalent + GCSE Biology and Chemistry Grade C or equivalent
- IB Diploma: 33 points overall including 6.5.5 (including Biology and/or Chemistry) at Higher Level
- Canadian High School Graduation Diploma with 80% overall including marks of at least 80% in Chemistry and Biology.
- American High School Diploma with a minimum GPA of 3.0 on a scale of 4.0 plus 1800 in SAT 1 tests or 27 in ACT and a minimum of two Advanced Placement (AP) Tests with scores of 5.4 in Chemistry and Biology in any order. SAT subject tests may be acceptable in lieu of APs.
- Singaporean Diploma in Biomedical Sciences: applicants with a minimum overall GPA of 3.0 on a scale of 4.0 (Grade B), and Grade B (3.0) in all relevant subjects may be considered for admission to Stage 2 of the BSc Honours Biomedical Science degree. Other Singaporean Diplomas completed with appropriate grades may be considered on a case-by-case basis.
- The University can support applications for Federal loans.

- Alternative equivalent academic qualifications may be considered

English Language:

- IELTS: overall score of 6.5 in IELTS, with a minimum band score of 5.5 in each component
- TOEFL IBT: overall score of 90, with not less than 17 – Listening; 18 – Reading; 20 – Speaking; 17 – Writing
- INTO English for Academic Purposes Grade B, with not less than Grade D in any component
- Cambridge GCE O Level English Language syllabus (UCLES) 1119 with a minimum grade C6

Graduate Prospects

Students pursue careers in diagnostic laboratory science as Biomedical Scientists within the National Health Service, research or management careers in the pharmaceutical industries, academic research or the broad field of medicine and medically related subjects.

Many students continue their studies leading to a higher degree and perhaps a research career, however, there are many career options in both the public and private sectors including the pharmaceutical industry, medical and scientific publishing, insurance, teaching and the Civil Service.



Queen's University
Belfast

School of Medicine, Dentistry and Biomedical Sciences
T: +44 (0)28 9097 1451
E: mdbschooloffice@qub.ac.uk
www.qub.ac.uk/mdbs