

HUMAN BIOLOGY

Human Biology is the integrated study of human anatomy and physiology, including the study of the body in health and disease. It covers a wide range of topics, ranging from genetics, microbiology and immunology to the core disciplines of anatomy, microanatomy and physiology.

The degree is designed to allow a greater degree of flexibility in the choice of modules, in comparison to the closely related degree in Biomedical Sciences. Specialist subject areas which can be studied in detail include Pharmacology, Topographical Anatomy, Exercise and Applied Physiology, Developmental Studies, Embryology and Neuroscience. Within these subject areas we provide a wide and innovative range of learning experiences, such as the use of ultrasound imaging in cardiovascular physiology and exposure to cadaveric dissection.

COURSE CONTENT

The Human Biology degree at Queen's is underpinned by the core disciplines of Anatomy, Microanatomy and Physiology (the study of the function of the human body). In addition, it provides a solid foundation in Mammalian Biochemistry, Genetics, Molecular Biology, and Microbiology.

The modules are:

Stage 1

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

Stage 2

- Research Methods and Statistics
- Physiological Sciences
- Anatomical Sciences

And a choice of one from:

- Human Evolution
- Molecular Cell Biology
- Human Physiological Measurement
- Public Health Sciences

Stage 3

Students must take the following compulsory module:

- Research Project

And a choice of two from:

- Cardiovascular Pathobiology and Treatment
- Advanced Neurosciences
- Embryology and Developmental Biology
- Pharmacology and Therapeutics
- Sports and Exercise Physiology

WHY QUEEN'S?

Global Opportunities

The School has links with two universities in the USA – the University of Nevada in Reno and the University of Vermont, where several students have the opportunity to complete a one-year work placement programme.

• Prizes and Awards

Up to 12 prizes are available as an added incentive to our students from 1st to 3rd year, awarded for top performances in individual modules and overall degree performances. This includes prizes awarded from the professional bodies (Physiological Society, Pharmacological Society).

• World-Class Facilities

Our Centre's teaching facilities have benefited from investment of over £2 million in recent years. This includes a fully equipped modern anatomy teaching unit with dissection facilities, as well as state-of-the-art physiology teaching facilities, offering at undergraduate level cardiopulmonary exercise testing and ultrasound.

BSc Honours

Human Biology 3 yrs (B100)

See also Biomedical Science

Entrance Requirements

Biochemistry

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

This degree programme is aimed at students seeking a broad-based knowledge of Human Biology with career opportunities in the medical and pharmaceutical industries, teaching, scientific publishing or the scientific civil service. 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 degree both here and abroad.

Graduate Careers

Recent and frequent employment opportunities have been taken by our graduates in Life Science/Pharmaceutical/Biotechnology industries in a wide range of roles, including Laboratory Technician, Scientific Officer, Sales and Marketing, and Clinical Trials Supervision, in leading local, national and international industries, including Norbrook, Almac and Galen.

Employment Links

A limited number of summer internships are currently available with Randox Laboratories, appointed via competitive application. Further Study Many of our students go on to further study, predominantly within Queen's or in other universities in the UK or abroad.

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Graduates have gone into areas such as Medicine, Dentistry, Computational Biology, Teaching, and PhDs in various research areas.

Queen's has a human dissection lab which gives students the opportunity to gain valuable experience and understanding of human anatomy to support their learning. Exposure to cadaveric dissection provides students with practical and innovative learning experiences.



"I thoroughly enjoyed my Human Biology course. With the range of modules available, I was given the opportunity to tailor my degree, giving me the good foundation and knowledge to benefit me most for my chosen career. I found this kept me engaged, challenged and allowed me to learn about topics that interested me. As a mature student, I found the support network within Queen's exemplary which allowed me to meet my full potential."

Kathryn Owen
BSc (Hons) Human Biology Graduate 2018

Entrance requirements

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Course information

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