

Division of Biomedical and Life Sciences Degree Schemes

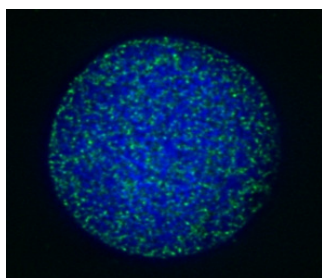


BSc Biological Sciences with Biomedicine (Honours)



The Lancaster Environment Centre

C1B9



Biomedicine is at the heart of much of the exciting research in biological sciences worldwide. Our Biological Sciences with Biomedicine degree involves teaching by members of both the School of Health and Medicine and Lancaster Environment Centre providing students with a mainstream biological sciences degree course with a strong bias towards human and disease-related topics. We build on a strong grounding in genetics, physiology, biochemistry and cell biology by covering specific biomedical topics such as cancer biology, medical microbiology, clinical biochemistry and haematology. Students also receive an in-depth training in the key techniques associated with modern biological and biomedical practices by taking a series of techniques courses, some of which are taught by staff from the local hospital.

Entry requirements. Typically ABB at A-level for entry from the sixth form with at least two science subjects from Biol / Chem / Comp / EnvSci / Maths / Phys / Psych or equivalent 2A- plus 2AS-levels. Applicants with other types of qualification should enquire for details.

Specialist facilities. Biology at Lancaster is committed to maintaining a strong and varied research base through the activities of both the Lancaster Environment Centre and the School of Health and Medicine. Our research interests include familial

predisposition to breast cancer, UV response and skin cancer, cellular response to DNA damage, leukaemia, joint destruction in arthritis, Alzheimer's disease, metastatic spread of cancer, and the biochemistry of corneal disease. Due to our high level of research funding and activity in these areas, our students are exposed to up-to-date research facilities and have a wide choice of final year projects. Lectures, practicals and workshops will take place in our brand new teaching facilities containing state-of-the-art teaching laboratories and computer classrooms.

Careers information. This degree will provide an excellent platform for research-based careers in biology and biomedicine, including further postgraduate study for MSc or PhD qualifications. In addition, there are many opportunities in the pharmaceutical industry, the food industry, forensic science and research institutes that are accessible to our graduates. Traditionally our graduates enter a wide range of careers, and the transferable skills acquired during this degree will make graduates attractive to employers in many other areas such as management, finance, teaching and marketing.

Mallory Gough:

"I really enjoyed my time at Lancaster and particularly liked the campus and college system. The Biological Sciences degree schemes have a very wide choice of subject modules enabling students to formulate their preferences in the first year with a view to specialising in their favourite areas in subsequent years. I was able to achieve invaluable practical skills experience which has enabled me to continue my studies at Lancaster by way of a PhD studentship studying Alzheimer's disease."



Further information contact:
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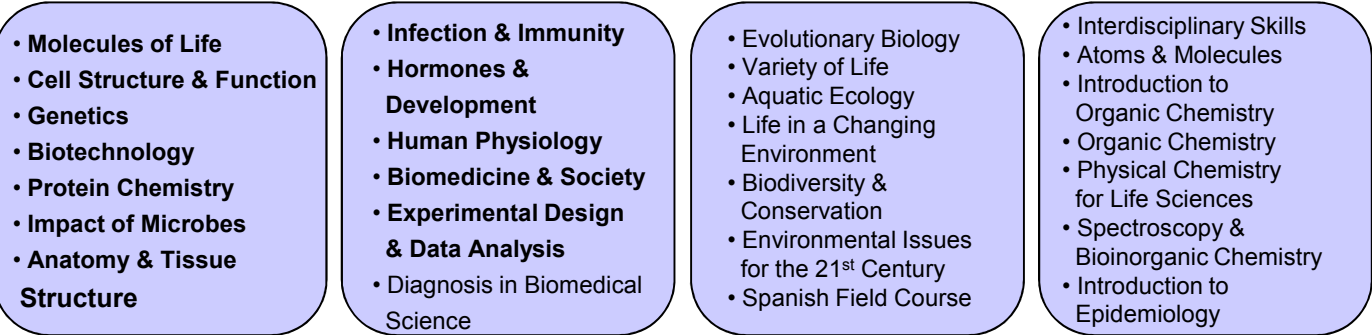
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Year 1

In the first year of the degree, students take a total of 15 modules 12 of which are compulsory (**in bold**). Students may take the remaining 3 modules from any of the other modules shown. Assessment is through coursework, end-of-module tests and summer examinations.



Year 2

In the second year of the degree students again take the compulsory modules in Group A (below) along with four options from Group B. These modules provide a firm grounding in general biological subjects whilst maintaining an emphasis on biomedical subjects.



- Group A (Compulsory)**
- Cell Biology
 - Medical Microbiology
 - Cell Biology Techniques
 - Microbiological Techniques

- Group B (Options)**
- Biochemistry
 - Genetics
 - Biochemical Techniques
 - DNA Technology
 - Evolution
 - Environmental Physiology
 - Clinical Biochemistry
 - Haematology & Transfusion Science



Year 3

In the final year of the degree students can choose to undertake a research project or a combination of laboratory project and literature review. They must also take the compulsory module shown in Group A (below) in addition to two further modules from each of groups B, C and D, and one module from group E. Exams take place in the summer term of the final year.

