

SCHOOL OF BIOSCIENCES

The School of Biosciences has 49 academic staff providing 20 undergraduate and 13 postgraduate courses to approximately 1,200 you. The School also has a thriving research culture with over 30 you registered for PhDs. Active research and postgraduate programmes ensure that undergraduate you are in close contact with the cutting edge of applied scientific knowledge. Close working relationships with London teaching hospitals, health authorities, and institutions around the world have been established.

Biosciences is an expanding subject area and the new technological advances it fosters, such as the genetic manipulation of organisms, are having a great impact on society. Human fitness in mind and body has become increasingly important as medical advance succeeds in lengthening life expectancy - both individuals and society are facing the challenge presented by increasing leisure time. Degree programmes in molecular and applied biosciences, biomedical sciences, human sciences and exercise sciences address these issues through the development of a sound understanding of the biological processes.

The School aims to expand understanding of the important issues in biosciences and provide tools and methods for addressing problems and answering questions. Practical training, the development of key transferable and communication skills and teamwork all play a part in this process. Programmes undergo continual development to ensure that you are relevant to the workplace.

The School has extensive laboratory facilities enabling a range of detailed scientific analyses to be undertaken. The courses have a strong emphasis on developing and using practical skills. Recently refurbished laboratories include facilities for biochemistry, cell and tissue culture, microbiology and fermentation technology, molecular biology, microscopy and a state-of-the-art analytical instrumentation suite. Computer simulation is used to teach many aspects of the biological sciences.

Modules

The School of Biosciences offers modules in the areas of Biochemistry, Biomedical Sciences, Biotechnology, Environmental Science, Microbiology and Physiology. Please note that because of the specific nature of these subjects, you must be prepared to demonstrate previous knowledge in the subject before you can undertake certain modules and pay great attention to any pre-requisites.

Please note that the University of Westminster is unable to guarantee the availability of the modules in this catalogue. All modules are subject to change, but are as accurate as possible at the time of going to print.

Pre-requisites

As explained earlier in the module catalogue, please be aware that some modules at Level 5 and Level 6 may have a pre-requisite requirement for you to have already completed specific modules or equivalents at a lower level.

e.g. **3HCS552 Support System Physiology** has a pre-requisite of **3HCS442 Human Physiology**.

As a study abroad student, you are not expected to have taken the specific pre-requisite requirement, but you must have studied a relevant or similar course / module in your home country / institution. Some modules have co-requisites, which mean that the module and the co-requisite must be taken at the same time.

Module Code	Title	Semester	Level	Credits
3SBS478	Dilemmas in Bioscience	2	4	15
3SBS479	Drugs and Therapeutics	2	4	15
3HCS548	Nervous System	2	5	15

3HCS559	Nutrition in Society	2	5	15
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DILEMMAS IN BIOSCIENCE

Module Code 3SBS478 Level 4 Credit 15 Semester 2

Some background in the subject area is needed.

The module will look at the impact of advances in biosciences on society today. The communication of scientific information to the public and to scientists, and the quality of various information sources will also be examined.

DRUGS AND THERAPEUTICS

Module Code 3SBS479 Level 4 Credit 15 Semester 2

Some background in the subject area is needed.

Overview of therapeutics with particular reference to the role of drugs in restoring health. Introduction to the molecular basis of the therapeutic actions of drugs and their side effects. Fundamental concepts and drug absorption, metabolism and disposition.

NERVOUS SYSTEM

Module Code 3HCS548 Level 5 Credit 15 Semester 2

Some background in the subject area is needed.

NUTRITION IN SOCIETY

Module Code 3HCS559 Level 5 Credit 15 Semester 2

Some background in the subject area is needed.