

C108 BIOLOGICAL SCIENCES



Course C108 provides a four-year route to a number of BSc (Hons) degree programmes offered in the School of Biological Sciences.

This course would be of interest to students who have followed Advanced level Biology or Chemistry, BTEC Science or access programmes in Biology.

THE MODULES STUDIED

Students will study modules in Biology, Chemistry, Mathematics and Applications of Biology over the two semesters. * Except for students studying Ecology and Environment or Geography/Biology, please refer to the course selection chart.

Biology (2 semesters compulsory)*

This course looks at cell structure and function, biological molecules, cell division, genetics and metabolism in the first semester. During the second semester students will study hormonal control, transport systems in mammals and multicellular animals, the action of drugs, pharmacology and immunity. Biology is a practical subject and students will have many opportunities to take part in laboratory investigations and practicals.

Chemistry (2 semesters compulsory)*

This module covers atomic structure, atoms and moles, the periodic table, chemical bonding, chemical energy, kinetics an introduction to Organic Chemistry, alkanes and alkenes. In the second semester ideas are extended and the key areas of Organic Chemistry, the Chemistry of the main group elements and Equilibria are studied in further depth. During the two semesters problem solving and practical work are integrated into the lecture programme.

Half Mathematics (2 semesters compulsory)*

This half module lecture course aims to introduce students to algebra, graph work, differentiation, integration, trigonometry, logarithms and statistics. Emphasis will be placed on applying material to other areas of the programme studied.

Applications of Biology (2 semesters compulsory)*

This half module course builds upon some of the topics introduced in the Biology module. Students will explore the areas of microbiology and biotechnology, vitamins and metals, genetics, selective breeding and genetic diversity. There will be some laboratory-based assignments.

PROGRESSION

Assessment is by examination and coursework and students are expected to score an overall mark of 50% to progress to the second year of the course. In the second year students will start on the first year of *Physiology, Pharmacology, Combined Honours including Biological sciences, Biological Sciences (deferred choice), Tropical Disease Biology, Biological and Medical Sciences, Marine Biology, Ecology and the Environment, Marine Biology with Oceanography, Zoology, Genetics, Microbiology, Biochemistry, Molecular Biology and Biotechnology, Bioveterinary Science.*

ENTRY REQUIREMENTS

Applicants will be expected to fall into one of the following categories:

- Adult learners returning to education students with 'A' level passes.
- Adult learners returning to education with 5 GCSE /'O' level passes or more including Maths, Science and English Language.
- Sixth form school leavers currently studying Biology or Chemistry in combination with other subjects.
- Students from within European Union and students following access certificates.

The Standard Offer

A typical offer is likely to be CDD or 200 points in three subjects at A2, preferably in related subjects. Students with alternative A2 combinations are welcome to apply but should expect to be made higher offers. All students must also have a pass (grade C or above) in GCSE Mathematics, Science and English Language or hold equivalent qualifications. Adult learners are should have a minimum of 5 GCSE's grade 'C' or above including Mathematics, Science and English and may be invited for interview. Students with access certificates or foreign qualifications will be considered on an individual basis.

Students holding offers at the University of Liverpool may be made a changed course offer to C108, after the examination results, if they fail to gain the required number of points for their first choice course.

Further Information

Please contact Mary Robinson at Carmel College on (01744) 452200. Alternatively, contact Marie Kendrick (Degree Administrator) on (01744) 452213 or e-mail: degree@carmel.ac.uk;