

Course F608 provides a four-year route to a number of BSc (Hons) degree programmes within the Earth Sciences group.

This course would be of interest to students who have followed Advanced level subjects, Vocational A' levels, GNVQ Science or access programmes.

The Modules Studied

All students will study three subjects over the two semesters. Students can choose modules to make up their own programme, however certain subjects are compulsory for entry into specific degree courses, degree titles and optional/compulsory modules are marked on the course selection chart. [E] for essential, [P] preferred modules, [R] recommended modules and [O] optional modules.

Biology (2 semesters)

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 opportunities to take part in laboratory investigations and practicals

Chemistry (2 semesters)

This module covers atomic structure, moles, the periodic table, bonding, energy, kinetics, and 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

Geography (2 semesters)

The module takes an enquiry approach into the investigation of the way people interact with their varied environments. Topics include Ecosystems, atmospheric processes, river systems, natural hazards, environmental pollution and Coastal Systems. Students will develop a range of case studies concerning the questions, issues and problems that these geographical areas present.

Mathematics (2 semesters)

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

Physics: (2 semesters)

The module explores in some depth the topics of measurement, mechanics, electricity, thermodynamics, atomic physics, forces, magnetism, materials, waves and oscillations. Assignments are set on a regular basis, aimed to extend the ideas studied as part of the lecture course. Practical work is used to reinforce theory.

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 options are: *Combined Honours including Geology, Geology, Geophysics (Geology), Geophysics (Physics), Geology and Physical Geography, Ocean Sciences (Physics Pathway), Ocean Sciences (Chemistry Pathway), Oceans, Climate and Physical Geography, Mathematics with Ocean and Climate Studies.*

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 leavers currently studying Advanced level qualifications in related subjects.
- Students from within European Union and students following access certificates

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 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 F608, 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;