

G521 COMPUTER INFORMATION SYSTEMS

carmel
college



The course G521 provides a four-year route to a qualification in Computer Information Systems.

This course would be of interest to students who may not have a background in Mathematics or Science but have an interest in pursuing a career involving the use of computers in a non-scientific field.

The Modules Studied

Students will study modules in Information Technology, Mathematics and one other module from either Geography, Chemistry, Biology or Physics over the two semesters.

Information Technology (2 semesters compulsory)

This module covers: hardware & software, general purpose packages, data & information handling, range, scope & impact of it, communication systems and computer security. students will spend some of their time gaining "hands on" experience also and learning to use various software packages available.

Mathematics (2 semesters compulsory):

The course aims to introduce students to graph work, differentiation and integration, vectors, statistics, trigonometry, logarithms, iteration and partial fractions. Students can expect to develop problem solving and analytical skills.

Geography (2 semesters optional)

Topics include: ecosystems, atmospheric processes, natural hazards and environmental pollution. Students will develop a range of case studies concerning the questions, issues and problems that these geographical areas present.

Physics (2 semesters optional)

This optional module covers: measurement, mechanics, electricity, thermodynamics and atomic physics. Students should have a good science background with a pass in 'A'level Physics preferable.

Biology (2 semesters optional)

This course looks at cell structure and function, biological molecules, cell division, genetics and metabolism in the first semester. Biology is a practical subject and students will have opportunities to take part in laboratory investigations & practical work.

Chemistry (2 semesters optional)

This module covers: atomic structure, atoms and moles, periodic table, chemical bonding, chemical energy, kinetics, Organic Chemistry, alkanes & 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. During the two semesters problem solving and practical work are integrated into the lecture programme.

Additional Mathematics (2 semesters preferred):

This module covers sequencing and series, binomials, complex numbers, polynomials, differentiation, mechanics, momentum, vectors and differential equations. Students can expect to further develop their problem solving and analytical skills.

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 either: *Computing with a Year in Industry (4 yrs), Electronic Commerce Computing, Electronic Commerce Computing with a Year in Industry (4 yrs), Computer Information Systems, Internet Computing, Computer Information Systems with a Year in Industry (4 yrs), Internet Computing with a Year in Industry (4 yrs), Software Development, Software Development with a Year in Industry (4 yrs).*

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 Maths and IT in combination with other 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 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 change course offer to G521, 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;