

Computer Science

Computer technology has become a dominant force in today's world, creating a wealth of exciting career opportunities for suitably qualified young people.



In the 21st Century computing knowledge is one of the keys to economic success worldwide.

The key skills of the industry, Software Development and Computer System Design, are now such vital parts of modern business that practitioners of these skills can expect to be in great demand, and paid very high salaries. Yet training to be a computer practitioner is not as difficult as many believe.

Most students start at WLC with little or no previous experience of computing but are still able to learn the basic skills required for their career in only one academic year of study. These skills can either be used for employment in the computer industry or as a platform for further, higher level study.

ACP - The Association of Computer Professionals

There are many examining boards offering structured learning programmes in computer science. But only one, the Association of Computer Professionals, offers syllabi that effectively combine the

skills of Computer Programming and Computer System Design whilst at the same time allowing students to progress to Bachelor's degree level and beyond. By teaching to ACP syllabi West London College is able to offer computer training from beginners level to advanced, and we can thus make the most of the abilities of each student.

Practical Training

Great emphasis is placed on practical hands-on training. The College has recently installed a brand new computer network, using industry-standard work stations and incorporating the latest Windows software. As a result, our students are able to combine theoretical knowledge with the practical skills that are so essential in the industry today.

Computer languages taught include Q Basic, Visual Basic and Java, whilst at the same time students are shown how to use the commercially available software applications that now dominate modern day office practice. The overall aim is to equip our students with a range of abilities that will enable them to take full advantage of the world shortage of qualified computer personnel.



Flexible Entry

As can be seen from the Course Selector, students can join the Department at a range of levels depending on their existing experience and qualifications.

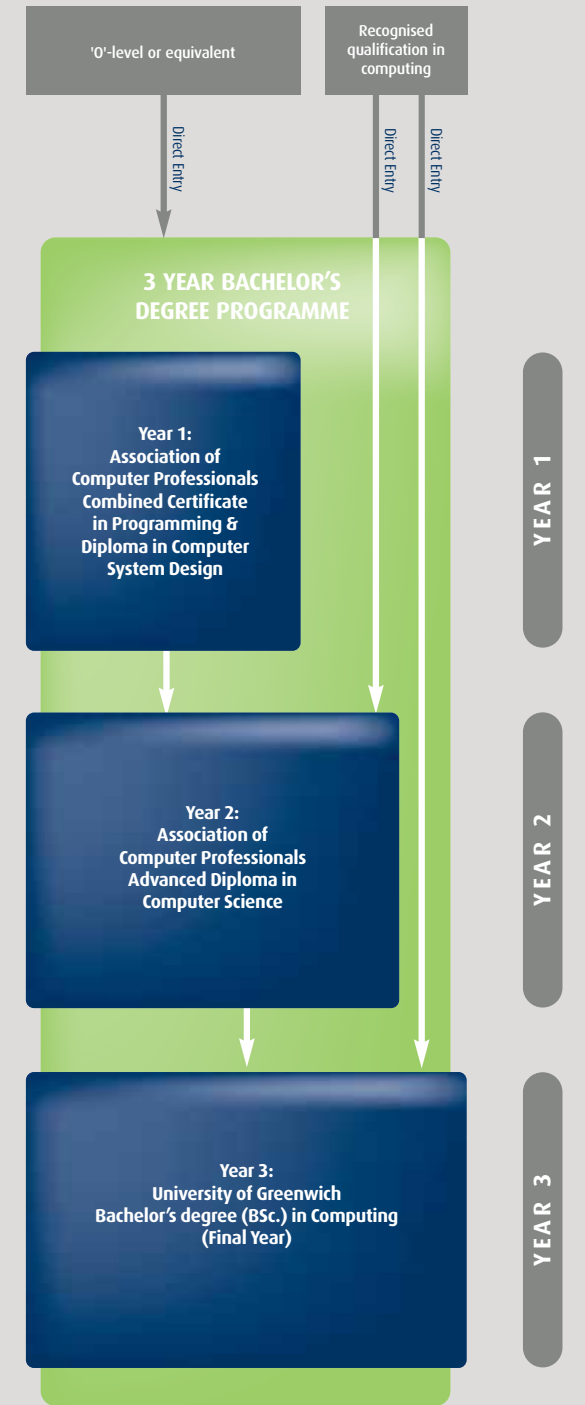
Most applicants start as beginners, joining the combined Certificate & Diploma course, but some, having already achieved qualifications recognised by ACP for exemption, will be offered direct entry to the Advanced Diploma. Occasionally, we receive applications from existing computer practitioners who can demonstrate, via qualifications and experience, that they would be able to cope with direct entry to the BSc. (final year) programme. It is College policy to encourage applications from people of this calibre as their experience can often be of benefit to those students who started with us from the beginning.

WLC has large computer rooms with up-to-date Pentium flat screen PCs for student use not only in class time but also for private study and project work.



Computer Science COURSE SELECTOR

Use this flow-chart for a quick understanding of entry requirements and course progression.



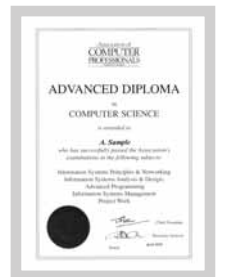
EXAMINING BODIES:

Association of
COMPUTER
PROFESSIONALS

the
UNIVERSITY
of
GREENWICH

CERTIFICATION

All our Computer Science programmes lead to externally validated professional qualifications or recognised British university degrees.



Combined ACP Certificate & Diploma

The ideal starting point for a career in software development

Course Overview

This course is taught on the very latest networked workstations and provides solid foundations for a successful career in today's ever expanding computer industry.

No previous experience of computing is necessary; the course starts right from the beginning and covers all the main skills - Computer Programming, Systems Analysis and Design and software utilisation.

By the end of only one academic year of study students will be able to programme in Visual Basic and one

other language, will be familiar with the fundamental concepts of computer system design and implementation, and will be able to make effective use of the latest 'Windows' based computer software, including Microsoft Word for Windows, Microsoft Excel (Spreadsheets), Microsoft Access (Databases) and Microsoft Publisher (Desktop Publishing).

They will also learn how to make best use of CD-ROM technology, modems and the global Internet.

Course Duration

> One academic year

Entry Requirement

> A good secondary education equivalent to GCE 'O'level

Course Starts

> January > May > September

Qualification

> ACP Certificate in Programming
> ACP Diploma in Computer System Design
Designatory letters: MACP

COURSE REFERENCE: 2A



COMBINED ACP CERTIFICATE & DIPLOMA SYLLABUS:

- > Information Technology Fundamentals
- > Applied Programming
- > Computer Applications & Operations
- > Project
- > Systems Analysis & Design
- > Software Engineering
- > Business Information Systems
- > Course Work Assessment

EXAMINING BODY:



University of Greenwich Bachelor's degree in Computing

An honours degree means a bright future in one of the world's biggest industries

Course Overview

West London College has been validated and approved by the University of Greenwich to offer the final year of their Bachelor of Science (Honours) degree in Computing.

The course is taught using textual course materials supplied by the University of Greenwich and graduates of the programme receive the same degree award and attend the same graduation ceremony as those who have studied at the University.

A STUDENT SAYS...

"I applied to West London College from Sri Lanka with just O-levels, so I didn't have the qualifications for traditional university entrance.

I took the ACP Certificate and Diploma, then the Advanced Diploma and then, in my third year at WLC, the final year of the BSc. in Computing from the University of Greenwich

All my hard work really paid off and I was one of 3 students in my class who not only passed, but got a first class honours degree!"

Pradeep from Sri Lanka



Course Duration

> 12 months

Entry Requirement

> ACP Advanced Diploma in Computer Science with at least credit grades in all subjects, or IMIS Higher Diploma or equivalent.

Course Starts

> February
> September

Qualification

> Bachelor of Science degree (with honours) awarded by the University of Greenwich
Designatory letters: BSc. (Hons)

COURSE REFERENCE: 2C



GREENWICH UNIVERSITY BACHELOR'S DEGREE IN COMPUTING SYLLABUS:

- > Database Design and Implementation
- > Distributed Information Systems
- > E-Commerce
- > Information Systems Engineering
- > IT Project and Quality Management
- > Object-Oriented Software Development
- > Project

ACP Advanced Diploma in Computer Science

A stepping stone from the first year Diploma course to the Greenwich University degree

Course Overview

Rated as equivalent to a Higher National Diploma in Computer Science, the Advanced Diploma is the stepping stone to the Bachelor of Science final year degree.

Skills achieved at first year level are developed to a standard appropriate for senior positions within the industry and students are given the opportunity to specialise in subject areas of their choice. Programming languages available include Pascal, Foxpro, C++ and Java 2 and successful

completion with credit grades in the project and final examinations means automatic qualification for direct entry to the Greenwich University BSc. degree in Computing (final year) offered by the College.



Course Duration

> One academic year

Entry Requirements

> ACP Certificate & Diploma or equivalent or suitable commercial experience.

Course Start Dates

> January > June > October

Qualifications

> ACP Advanced Diploma in Computer Science
Designatory letters: MACP

COURSE REFERENCE: 2B



THE ACP ADVANCED DIPLOMA SYLLABUS:

- > Information Systems Principles & Networking
- > Information Systems Analysis & Design
- > Advanced Programming
- > Information Systems Management
- > System Operation
- > Projects & Course Work Assessment

EXAMINING BODY:



Pictures:
1 & 2: Hands-on training using the latest powerful PC hardware, and with the guidance of experienced trainers, is the cornerstone of the WLC computer faculty's success.

EXAMINING BODY:

