

BSc (Hons) Computing

Computing is a creative activity which applies appropriate technology to the solution of problems. Computing professionals are involved in the investigation and analysis of problems, the design and evaluation of feasible solutions and the implementation of cost-effective ways of meeting user needs. They must communicate with a wide range of people (managers, users and colleagues) and be aware of the business implications of the decisions made. Our students learn how to keep up with the latest tools and techniques and practice their application to real-world problems.

SPECIALISMS

- > Software Engineering
- > Computer Games Development
- > Network Technology

Each specialisation contains all the compulsory modules and a selection of the options from the corresponding course offered at UCLan Preston: BSc (Hons) in Software Engineering, BSc (Hons) in Computer Games Development and BSc (Hons) in Computer Network Technology. All these programmes have accreditation leading to MBCS (Member of British Computing Society), CITP (Chartered IT Professional) and partial CEng (Chartered Engineer) exemption from the British Computer Society, the UK professional body for computing. The course is recognised by the Cyprus Technical and Scientific Chamber (ETEK).



BSc (Hons) Computing

✉ admissions@uclancyprus.ac.cy

☎ +357 24 69 40 00

YEAR 1

MODULES	SEMESTER	ECTS
COMPULSORY		
Introduction to Programming	1	10
Explorations in Computing	2	10
Introduction to Networking	YL	10
Discrete Mathematics	YL	10
University Elective	YL	10
Academic Writing OR	YL	10
Study and Research Skills	YL	10

YEAR 2

MODULES	SEMESTER	ECTS
COMPULSORY		
The Computing Challenge	YL	10
Games Concepts	YL	10
Algorithms and Data Structures	YL	10
Computer Systems and Security	YL	10
Systems Analysis & Database Design	YL	10
Interactive Applications	YL	10

YEAR 3

MODULES	SEMESTER	ECTS
COMPULSORY		
Advanced Programming	YL	10
The Agile Professional	YL	10
SOFTWARE ENGINEERING		
OPTIONAL		
Software Development	YL	10
Computer Security	YL	10
Mobile Computing	YL	10
Database Systems	YL	10
COMPUTER GAMES DEVELOPMENT		
OPTIONAL		
Games Development 1	YL	10
Software Development	YL	10
Computer Graphics	YL	10
Database Systems	YL	10
NETWORK TECHNOLOGY		
OPTIONAL		
Network Management	YL	10
Computer Security	YL	10
Introduction to Network Routing	YL	10
Digital Evidence and Incidence Response	YL	10

To complete the award in sandwich mode the below module must be taken in addition to 120 (60 ECTS) credits at level five

For Sandwich Award

Industrial Placement Year	YL	60
---------------------------	----	----

YEAR 4

MODULES	SEMESTER	ECTS
COMPULSORY		
Double Project	YL	20
SOFTWARE ENGINEERING		
OPTIONAL		
ANY FOUR OF		
Advanced Software Engineering	YL	10
Distributed Enterprise Systems	YL	10
Artificial Intelligence	YL	10
Cloud Computing	YL	10
Computer Graphics	YL	10
COMPUTER GAMES DEVELOPMENT		
OPTIONAL		
ANY FOUR OF		
Games Development 2	YL	10
Maths and Technology for Games	YL	10
Artificial Intelligence	YL	10
Cloud Computing	YL	10
Mobile Computing	YL	10

CAREER OPTIONS

A range of careers opens to students upon completion of their degree. These include roles in business requirements analysis, design and development of database-backed systems, development of web and mobile applications, computer games development, system testing and management, wired and wireless networks management, network security, and many more. Moreover, the broad skills that our students acquire enable them to remain competitive in the fast evolving area of computing technology.

LINK WITH PROFESSIONAL BODIES

Course Graduates are eligible to register to the Cyprus Scientific and Technical Chamber (ETEK).

BCS ACCREDITATION

This degree has been accredited by the British Computing Society (BCS), the chartered institute for information technology (IT). The BCS is committed to making IT good for society. This accreditation is a mark of assurance that the BSc (Hons) Computing degree offered at UCLan Cyprus entitles our graduates to professional membership of the BCS, which is an important part of the criteria for achieving Chartered IT Professional (CITP) status. Some employers recruit preferentially from accredited degrees, and an accredited degree is likely to be recognised by other countries that are signatories to international accords.

ENTRY REQUIREMENTS

The minimum requirements are:

- > A score of 16.5 in the Apolytirion or High School Certificate grade of 82.5%, or 80 A' Level points (new Tariff system) in relevant subjects.
- > Internationally Recognised Certificate of English Language knowledge equivalent to B1-B2 Level of the Common European Framework.

The University reserves the right to make amendments to programmes in order to improve the quality of learning content and outcomes.

NETWORK TECHNOLOGY

OPTIONAL

Cloud Computing	YL	10
Advanced Routing	YL	10
Wireless and Mobile Networks	YL	10
Penetration Testing	YL	10