

MSc Computing

Computing-related technologies, such as new mobile devices and applications, are changing the way we communicate, do business and access news and entertainment.

The MSc Computing programme allows students to select optional modules so that they can focus on specific computing areas, including web and mobile application development, networking and IT security, user experience and digital marketing, and computing technologies and systems.

Throughout the programme, students will be able to develop skills and understanding necessary for the development of software systems and they will have the opportunity to plan, undertake and evaluate a substantial computing project, enabling them to become reflective and research-aware practitioners. Moreover, they will be able to develop other essential skills, such as communication skills, critical thinking and self-management skills, which can be applied in all walks of life.

Through specific modules, the MSc in Computing programme provides students the opportunity to achieve professional certifications that are in great demand by the industry, such as Cisco CCNA, AWS Cloud Essentials and LPI Essentials.

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✉ admissions@uclancyprus.ac.cy

☎ +357 24 69 40 00

MODULES	SEMESTER	ECTS
COMPULSORY		
Masters Project	2 (& 3)	30
Critical Analysis	1	10
IT Projects & Programmes	2	10
OPTIONAL		
Web Application Development	1	10
Mobile Application Development	2	10
Network Communication & Routing	2	10
Digital Security	1	10
Network Operations & Management	1	10
Ethical Hacking	1	10
ERP Systems	1	10
e-Marketing	1	10
Enterprise Data Management	1	10
Advanced Topics in IT Security	2	10
Wireless Networks & Communications	1	10
Distributed Systems	2	10
Advanced Topics in User Experience	1	10
Independent Investigation	2	10
Agile Systems Development	2	10
Information Security Management	2	10
Exploratory Data Analysis	2	10
Artificial Intelligence	2	10

CAREER OPTIONS

This programme, building on the intellectual skills of a computing or technology related degree, enhances students' employment prospects in the IT field, and further develops the skills they obtained in their Undergraduate degree. The skills acquired can lead to a range of careers in computing specialisations that are in high demand (even outside the technology sector), such as networks and IT security or web and mobile application development.

ENTRY REQUIREMENTS

- > Bachelor's degree, with at least Lower Second Class grade or equivalent.
- > Proof of English Language knowledge to a score of at least IELTS 6.5, or other equivalent according to the Common European Framework of Reference for Languages (CEFR).

