



University of
Central Lancashire
UCLan Cyprus

MSc Cybersecurity

The constant advancement of technology and the introduction of cloud services, smart devices and wireless communications as well as the increasing penetration of the Internet in our everyday activities and the sharing of sensitive information through it, have created a need for information assurance and data security.

This programme will appeal to people with an interest in understanding cybersecurity issues with emphasis in areas such as cyber warfare, cyber defence, ethical hacking, network forensics and information security management. The programme will provide students with the specialised knowledge required, including theory, technologies and relevant design techniques, as a prerequisite for designing secure networks.

During the programme students will have the opportunity to apply their theoretical knowledge through specialised physical, virtual and remote security laboratories in which they will be able to carry out activities such as reconnaissance, network scanning and exploitation exercises, and investigate the usage and behaviour of security systems such as Intrusion Detection Systems. As part of the programme, students will also develop generic and domain-specific research techniques and skills required for successfully completing their final year MSc Thesis project.

**ALSO AVAILABLE
AS DISTANCE LEARNING**



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MSc Cybersecurity

MODULES	S	E
COMPULSORY		
Ethical Hacking	1	10
Digital Forensic Investigations	1	10
Critical Analysis	1	10
Information Security Management	2	10
Cyber Defence	2	10
Master's Project*	2	30
OPTIONAL		
Cyber Warfare	2	10
Cyber Incident Handling	2	10
Practical Cryptography	2	10
*Also available in Summer Semester		

CAREER OPTIONS

Typically, Cybersecurity professionals can be employed by telecommunication, ITand technology companies, network operators and network equipment vendors, consultancy agencies and government departments, as well as any other organisation that needs to protect its IT infrastructure and operations. Cybersecurity is part of nearly every discipline from defence and intelligence to healthcare and aerospace.

COLLABORATION WITH THE EUROPEAN CITIZENS ASSOCIATION

As part of its social responsibility, the University of Central Lancashire Cyprus (UCLan Cyprus) proudly announces its collaboration with the European Citizens Association (ECA), supporting its aims to safeguard and promote the European Union’s fundamental values and to increase citizens’ resilience to information manipulation. UCLan Cyprus is the first organisation from Cyprus joining this initiative.



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).

ALSO AVAILABLE AS DISTANCE LEARNING

S: SEMESTER / E: ECTS / YL: YEAR LONG

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

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