



UCLan
London

BSc (Hons) Cybersecurity with AI

ENTRY REQUIREMENTS

96 UCAS tariff points
from 3 A Levels or
equivalent, eg CCC.

DURATION

3 Years
4 Years with Foundation

START

September, January, May

DELIVERY

Campus Taught

Course Overview

Our Cybersecurity with AI course is designed to equip students with strong theoretical knowledge and applied technical skills in cybersecurity, enhanced through the integration of artificial intelligence. The programme reflects the growing importance of cybersecurity in protecting digital systems, infrastructure and data across all sectors.

Key Features

- Build a strong cybersecurity foundation through computer systems, networks, programming, cybersecurity principles, and essential academic and professional skills to support progression into undergraduate study.
- Develop practical, industry-ready expertise in areas such as ethical hacking, digital forensics, cryptography, software security, security operations, and AI-enabled cybersecurity to identify, analyse, and respond to modern cyber threats.
- Prepare for professional success by strengthening critical thinking, problem-solving, research, communication, teamwork, and ethical practice, equipping graduates for careers in cybersecurity or further study.

Modules

Foundation Year

- Computer Skills
- Research Skills
- Communication Skills
- Professional Development in Computing

Year 1

- Computer Systems and Networks
- Programming for Cyber Security
- Cyber Security Fundamentals
- Data and AI for Cyber Security

Year 2

- Applied Cryptography

- Digital Forensics
- Software Security
- Security Operations

Year 3

- Ethical Hacking
- Governance, Risk and Compliance
- Applied AI for Cyber Security
- Individual Project

Career Paths

The BSc (Hons) Cybersecurity with AI course offers you choices to pursue a wide range of careers, or to specialise as a postgraduate, including:

- Cyber Security Analyst
- Forensic Computer Analyst
- Security Manager (longer-term career progression)
- Network Engineer
- Penetration Tester
- AI Security Engineer
- AI Product Manager
- AI Compliance Officer
- Data scientist
- Machine Learning Engineer

Potential Job Sectors

- Technology and cybersecurity
- Banking and finance
- Government and defence
- Healthcare
- Telecommunications
- Consultancy
- Retail and e-commerce
- Education and research