



Northumbria University (London)

MSc Cyber Security Technology (with Advanced Practice)

Study details

Course type: Master's degree

Degree: MSc Cyber Security Technology (with Advanced Practice)

Study mode: Full time

Duration: 36 Month

Cost of study

Cost : 20 950 GBP

Reg. fee : N/A GBP

Scholarship :

Insurance : N/A GBP

Intake/s

Jan/May/Sep

Requirements

Academic requirements

- Minimum 2:2 honours degree, or equivalent, from a recognised university in any subject
- Bachelor Degree (4 Years)
- GPA of around 2.75/4.0 for courses requiring a UK 2:2 equivalent
- CGPA 3.2/4 or 4.0/5 for courses requiring a 2:1 equivalent

English language requirements

- IELTS 6.5 (or above) with no single element below 5.5 or equivalent.

If you don't meet the academic requirements

Applicants with non-standard prior learning and or relevant work experience and training are encouraged to apply. A CV (curriculum vitae) made up of prior work experience and training would need to be submitted for consideration by our faculty alongside the standard application.

Candidates coming through the non-standard route, such as through relevant work experience or old qualifications, will be invited to discuss their application.

All applications will be considered on an individual basis.

Accommodation

Please note that your tuition fees do not include the cost of course books that you may choose to purchase, stationery, printing and photocopying, accommodation, living expenses, travel or any other extracurricular activities. As a Northumbria University London Campus student, you will have full access to our online digital library with over 400,000 e-books and 50,000 electronic journals.

- Contact time in class – typically in lectures, seminars and tutorials
- Access to facilities, including computers, on-campus Wi-Fi, printers, vending machines, quiet study spaces
- The support of our Careers & Employment Service who help you to become more employable, secure placements and run workshops
- Academic support – our ACE Team run multiple sessions on academic writing, presenting, exam techniques throughout the semester, as well as 1-2-1 appointments and drop-in sessions
- Student support services such as our Ask4Help Service. Find out more about the services available to you on our Student Support page
- Access to online resources, including 24/ 7 Library with over 400,000 e-books and 50,000 electronic journals.

Additional information

Overview

This programme has been designed for those who have an undergraduate degree in any discipline and wish to study for a qualification that focuses on cyber security in order to develop a career path in this discipline. The MSc in Cyber Security Technology is ideally suited to those who have no prior learning in cyber security, the modular content is reflective of this strategy.

This Masters programme has been designed in consultation with partners from the industry to ensure you learn up-to-date cyber security knowledge required by employers across the industry. Graduates from the programme will be equipped to work in a variety of careers at an entry or junior level in the cyber security sector and IT industry or to progress to academic or research-orientated careers.

Key facts

- Enhance your theoretical and applied knowledge expertise in the rapidly growing cyber security industry
- Demonstrate your security capabilities in important, emerging technologies such as the cloud and big data
- Develop your business intelligence and leadership capabilities
- Northumbria University is recognised as a Centre of Excellence in Cyber Security Research (ACEs-CSR) by the National Cyber Security Centre
- Also available as a part-time programme
- Upon graduating, opt to further develop your skills and employability with Professional Pathways programmes through one of the UK's leading IT and project management training providers, QA

- The Advanced Practice includes an Internship, Group Consultancy Project or Research Project, enhancing your employability with all-important work experience

What will I study?

By completing the MSc in Cyber Security Technology you will be able to demonstrate capabilities in the areas of Digital Leadership, Information Governance and Cyber Security, Cloud and Big Data Security, Introduction to Computer Networks Security, Computer Network Security, Research Methods for Professional Practice and Computing and Digital Technologies Project.

Alternatively, you can study the MSc Cyber Security Technology Part-Time.

The modular content has been designed to allow you to develop both a theoretical and applied knowledge of core specialisms essential for a cyber security expert. For example, the digital leadership module is designed to support future career progression into roles where there is a requirement to manage other cyber specialists. It also provides a useful foundation for those seeking to pursue a career in cyber security in a role where you are required to perform security vulnerability assessments and penetration testing for networked information systems. Knowledge gained from studying the programme will enable you to conduct threat intelligence analysis to keep up to date with the changing threat landscape.

As you progress through the programme you develop as an up to date, well rounded and outward-looking professional capable of taking responsibility for and effectively leading cyber security and technology projects and people, capable of making good decisions and improving the performance of yourself, your people, your areas of responsibility and your organisation.

How will I be taught and assessed?

- Teaching is delivered through a mix of lectures, workshops, labs, seminars and tutorials, totalling between **10-12 hours per week**.
- You're expected to engage in independent study and self-directed learning, around **30-32 hours per week**.
- The programme is 100% **assessed through coursework**, including critical report writing, portfolio, projects and a physical artefact such as a programme or a database.
- Taught by **experienced lecturers and academics** who use their industry experience to demonstrate how theories translate into real-life situations.
- **Technology-enhanced** learning is embedded throughout the course to guide your preparation for seminars and independent research
- Benefit from **weekly academic support sessions** designed to build your ability and confidence as an academic learner
- You will be assigned a **guidance tutor** at induction who you will meet with regularly during your studies

Careers and further study

This master's programme has been designed to ensure that graduates from the programme will be equipped to work in a variety of careers in the cyber security/IT industry or to progress to academic or research-orientated careers. The qualification is designed to accelerate your skills and competence in a range of job roles, including:

- Cyber Security Engineer
- Cyber Security Analyst
- Cyber Security Consultant
- IT Security and Support Manager
- Information Security professional
- Business Analyst.

Advanced Practice stage

The Advanced Practice version of this course offers you a valuable opportunity to secure a 12-15 week internship, Group Consultancy Project or complete a Research Project, giving you the experience of the workplace environment or live computing issues, and an excellent way to put your learning into practice.