



# MSc Cyber Security (with Advanced Practice)

## London Campus

**Level of study:** Postgraduate

**Mode of study:** Full-time

**Duration:** 1 year (up to 2 years with advanced practice)

## Overview

With the dramatic increase in high-profile cyber security incidents reported in the media, the demand for highly skilled security professionals is growing significantly as businesses across the globe seek to protect their networks and data. Our Central London based MSc Cyber Security provides you with a critical understanding of information governance and assurance, combined with technology risk management practices.

In addition to developing the key skills for handling security incidents, you will learn how to identify new and existing threats and the methods by which to reduce them. As part of this MSc Cyber Security, you also have the opportunity to undertake a cyber security internship and gain valuable work or research experience.

## Key facts

- Develop key skills which are highly in demand by employers
- Enhance your ability to handle and minimise security threats and incidents
- Northumbria University's Cyber Security Master's degrees are recognised as among the best in the country after receiving full certification from the UK Government's **National Cyber Security Centre (NCSC)**, a part of GCHQ
- 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 completion of your programme, you will be eligible for the QA Professional Pathways programmes which will enable you to further develop your skills with one of the UK's largest providers of IT and project management training
- The Advanced Practice stage of this programme provides you with the opportunity to undertake a 12-15 week cyber security internship, allowing you to put your learning in to practice, enhancing your learning and further developing your employability



## Course information

**Level of study:** Postgraduate

**Fee (UK/Home):** £10,460 (24/25)

**Fee (International):** £19,750 (24/25)

**Entry requirements:** 2:2 honours degree, or equivalent from a recognised university in a related subject IELTS 6.5, with no single element below 5.5 or equivalent .

**English language requirements:** IELTS 6.5, with no single element below 5.5, or equivalent

**Mode of study:** Full-time

**Duration:** 1 year (up to 2 years with advanced practice)

**Assessment methods:** Coursework

**Scholarships or bursaries:** available

**Student finance:** available

**Payment plan:** available

**Starts:** Jan, May, Sep,

## About this course:

### What will I study?

This London-based programme aims to provide you with advanced and specialist knowledge and skills in the field of cyber security. Your MSc Cyber Security will cover topics such as

- Information Governance and Security
- Information Assurance and Risk Management
- Wireless Networks and Security
- Network Security
- Ethical Hacking for Cyber Security.

You will also develop your research and project management skills, in particular, to support your preparation for your MSc project. In your final semester, you will complete a major individual project, where you will receive one-to-one tuition and supervision from a relevant academic supervisor.

This project will provide you with a platform to undertake a substantial piece of individual research. To do this you will utilise appropriate advanced research, critical evaluation and synthesis techniques.

Our MSc Cyber Security has been awarded **certification in Cyber Security from the NCSC (National Cyber Security Centre)**. This places us in an elite group of postgraduate providers which have achieved this standard and among the best cyber security degrees in London.

This programme is also available part-time or as MSc Cyber Security with Advanced Practice which includes either an internship, consultancy project or research project.

Ultimately, as a graduate of MSc Cyber Security you will be able to:

- Demonstrate complex, specialised knowledge and skills and appreciate innovations, advances and major issues in the field of cyber security
- Deal with complex issues both creatively and systematically, and show originality in tackling and solving problems
- Work both individually and as a member of a team, recognising different team roles and multi-cultural environmental issues
- Communicate balanced judgements effectively (in writing and verbally) at the appropriate business and technical level with users, management, customers and technical specialists, justifying work in the context of wider theories and practice, including when considering incomplete or ambiguous data
- Critically understand computing systems in relation to cyber security issues

- Act in a professional and ethical manner in the development and use of computing systems
- Satisfy the educational requirements of the BCS, The Chartered Institute for IT for professional membership

## How will I be taught and assessed?

Throughout the course, you will be able to trial new approaches and processes in a safe environment, working on real-life scenarios and case studies.

- Teaching is delivered at our Central London campus through tutorials, lectures and practicals, totalling between **12-13 hours per week**.
- You will also be expected to engage in independent study, around **29 hours per week**.
- **Assessment** includes a mix of coursework methods.
- 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

For those with high career aspirations, this programme can give you an extra edge in today's competitive job market. Graduates from the programme will be equipped to work in a variety of careers in the IT industry or to progress to academic or research-orientated careers. Job roles, including roles in leadership and management, could include working in, for example, software engineering, network design and management, network security, artificial intelligence or IT consultancy.

This programme will prepare you to meet the educational requirements of the BCS, The Chartered Institute for IT for the purposes of fully meeting the further learning academic requirement for registration as a Chartered IT Professional.

## Advanced Practice stage

The Advanced Practice version of this course offers you a valuable opportunity to secure a work placement or research placement, giving you the experience of the workplace environment or live Cyber Security issues, and an excellent way to put your learning into practice. This stage of the programme will take place between your second and final semester, and is a semester-long (12-15 weeks approx.) in duration. Internships as part of the Advanced Practice stage may be paid or unpaid. The alternative research placement allows you to work on a research project to carry out active research. Whether you choose the internship or research project, you will successfully develop your cyber skills and further enhance your employability.

Upon successfully completing your course, you may undertake further professional development and training through Professional Pathways programmes. This additional training is offered to our graduates for free, from our partner, QA and

provides you with an excellent opportunity to undertake professional training at the end of your Masters from one of the UK's leading corporate training providers, further enhancing your professional development and employability skills.

[Find out more about Professional Pathways and your eligibility.](#)

## Related reading

**From your Programme Leader, Hamid Jahankhani:**

- [What is Cyber Crime and How Can Cyber Criminology Help Reduce Victimisation?](#)
- [Fighting Cyber-Crime](#)

## **Cyber Security reading:**

- [Threats to Information Security 2019](#)
- [The State of Cyber Security](#)
- [High Flying Jobs in Cyber Security](#)
- [The 11%; Where are the Women in Cyber Security?](#)
- [Popular Course: Cyber Security](#)

[Enquire now](#)

## **Entry requirements (1 year MSc)**

### **Academic requirements**

- Minimum 2:2 (second class) honours degree or equivalent from a recognised university in a related subject (IT/Computer Science/related field)

### **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.

### **International entry equivalencies**

We accept a wide range of international qualifications. Please visit our [entry requirements](#) page for country-specific qualifications.

Please note that if your qualifications are not in English, we might need certified translations in order to proceed with your application.

## Pathway courses and support for international students

## **Masters Foundation programme**

Alternatively, you may also be eligible for one of our [Pre-Masters courses](#). These are pathway programmes designed specifically for students who require additional support to meet the entry requirements of their chosen Masters degree.

## **Pre-Sessional English and Study Skills**

If you have IELTS 5.5 – 6.0, you may be eligible to join our [Pre-Sessional English](#) before starting this programme. This programme will help you develop language skills in a content-based approach to learning involving critical thinking, questioning, discussion, reflection and analysis.

[Enquire now](#)

## **Modules (1 year MSc)**

## **Fees and finance (1 year MSc)**

### **Tuition fees 2024/25**

- **UK/Home:** £10,460
- **International students:** £19,750

### **Tuition fee 2025/26**

- **UK/Home students:** £11,000
- **International students:** £20,950

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.

The modules you will study do not require you to purchase additional textbooks although we recommend you allow an additional £100 for the duration of your studies should you choose to purchase any additional reading materials.

### **Information for international students**

Northumbria University is committed to providing the best possible experience to all our students. To ensure you secure your place with us, we require our international students to pay a deposit towards their fees. More information can be found [here](#).

What's included in your tuition fees?

Your tuition fees cover far more than your time in class with our expert academics, it covers the cost of providing you with excellent services and student experience.

- 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.

## Scholarships and bursaries for international students

If you are an international student and choose to study the full-time programme, you will be eligible for either our programme bursary or a country bursary, whichever is greater. High performing students may be eligible for an academic scholarship in addition.

Depending on the country you are from, you may be eligible for one of our country bursaries and/scholarships to help finance your studies.

All of our scholarships and bursaries are automatically applied when we process your application and our team will be able to confirm your eligibility.

### London Cost of Living Bursary

Eligible international students will receive an automatic bursary for £1,334, applied at the Conditional Offer as a fee discount. This bursary is effective for intakes in May 2025, September 2025, January 2026 and May 2026. This offer excludes Pre-sessional English, standalone Graduate Certificate programmes and sponsored applicants.

If you receive this bursary, you may still be eligible for additional bursaries and scholarships, these will be confirmed at the Unconditional Offer stage. Full maintenance costs still need to be evidenced when applying for your visa.

This bursary is only available for international students from specific countries. Please visit our [Scholarships page](#) for more information.

[Scholarships and bursaries](#)

## Payment plans for self-funded students

If you need to spread the cost of your tuition, you may be eligible for our payment plan.

[Payment plans](#)

## Government Loan for Masters study

If you are a UK or Home student, you may be eligible for a postgraduate loan of up to £10,000+ from the UK Government. Click [here](#) to find out more about the loan and whether you are eligible to receive it.

[Postgraduate Loan](#)

## How to apply or find out more (1 year MSc)

### How to find out more

Enquire now to find out more information about the course, studying with us, the application process, and to ask any other questions you may have.

[Enquire now](#)

### How to apply

Once you're ready to apply, you can apply online to study **1 year MSc Cyber Security**. This method allows you to upload your supporting documents at the time of application and automatically receive your student application number.

**Please note:** For 2025 applications you will be redirected to the Northumbria website to select which intake you would like to apply for.

Apply for 2025

Apply for the 1 year MSc

We strongly recommend that you submit your application as early as possible to allow you to complete all of the preparations needed to study your programme. After receiving an offer it can take time to arrange your finances and apply for your visa (if required) and it is important that you arrive in good time to enrol onto your course. Please refer to the [Dates and Fees](#) page.

You can check more information on [how to apply here](#).

## Information For Disabled Applicants

At Northumbria University London we welcome applications from disabled students and are committed to ensuring an equal and accessible application journey. Your application will be considered on an equal basis to all other applications. Please contact us if you require any assistance. This website is continually optimised to adhere to accessibility best practice guidelines; tools to assist users with specific accessibility requirements have also been provided. More information is available in our [accessibility statement](#).

## Entry requirements (Advanced Practice)

### Academic requirements

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## Fees and finance (Advanced Practice)

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## **Tuition fees 2025/26**

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\*As defined by UKVI

Scholarships and bursaries

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