



Cyber Security (London Campus) MSc

Postgraduate | 2 years part-time | Computer Science and Digital Technologies
London | January, May and September

Continue working while you study with all lectures delivered on 15 weekends spread throughout the 2 year course

Build a critical understanding of governance and assurance, along with technology risk practices

Learn how to handle security incidents, identify new and existing threats and determine methods to minimise them

Your full academic and working background are considered. Undergraduate degree not essential for entry

Cyber Security (London Campus) MSc

About this course

The issue of cyber security continues to be a major concern for both individuals and large corporations with a reported 117,339 incoming cyber-attacks every day*.

For businesses it is no longer a question of if a cyber-attack will occur but rather when, and as such the demand for qualified IT security professionals has risen exponentially. Northumbria University's part-time MSc Cyber Security has been designed to give you the skills to meet this increased demand, including how to handle security incidents, identify new and existing threats, and determining methods to minimise them.

As a student on the programme you will have access to a network of academics, practitioners and experts in the field of Information and Cyber Security. Furthermore you will be introduced to key theoretical and practical aspects using real world scenarios and case studies. You will be encouraged to question current approaches and processes and investigate new solutions in this fast moving environment.

Key facts

- Part-time Masters degree based in Central London
- Continue working while you study with lectures delivered on 15 weekends throughout the 2 year course
- Build a critical understanding of governance and assurance, along with technology risk practices
- Learn how to handle security incidents, identify new and existing threats and determine methods to minimise them
- Trial new approaches and processes using real world scenarios and case studies
- Immediately apply your knowledge to the workplace
- Undergraduate degree not essential for entry

Entry Requirements 2017/18

Applicants should have:

Standard entry requirements

- Minimum 2:2 or above from a recognised university in a relevant field (IT/Computer Science) or
- Professional qualifications that are equivalent to an honours degree

Non-standard entry requirements

Relevant qualifications and/or work experience will be taken into consideration where the applicant has the judged potential to benefit from the programme. Requests will be considered on an individual basis by the Programme Leader and relevant module tutors where appropriate.

Finance

Tuition fees: £9,950

This is the total fee for your 2 year programme including tuition, all course materials and examinations.

Payment plans

We offer an interest free monthly payment plan available to all self-funded (non-postgraduate loan) students after payment of your deposit.

Step 1: Pay a £2,450 deposit on or before enrolment (a £450 booking fee, and a £2000 top up before your induction)

Step 2: Pay 24 x monthly direct debits of £312.50 throughout the duration of your course.

Government Loan for Masters Study

For the Academic Year 2017/18, the Government will be providing a Postgraduate Loan up to the value of £10,280 for eligible UK and EU students.

To find out more about this financing option and to check your eligibility please contact us or visit:

london.northumbria.ac.uk/courses/dates-and-fees



*The Global State of Information Security Survey 2015



Modular overview

1. Information Governance and Security (20 credits)

The aim of this module is to critically explore the governance, management and security principles that underpin the management of an organisation's information assets. It will provide you with a comprehensive understanding of the key concepts, theories, standards and frameworks of information governance, information management and information security.

2. Network Security (20 credits)

The main objective of this module is to provide an in-depth coverage of the fundamental concepts, principles and technologies for network security. This module will provide students with a theoretical and practical understanding on two important aspects related to security namely, data security and network security. The module will cover topics including cryptography, classical systems, IP protocol security, private and public-key cryptography, cryptographic protocols, hash functions, authentication, signature schemes, email and web security, viruses, and firewalls.

3. Wireless Networks (20 credits)

This module is designed to be suitable for a variety of networking professional roles including those wishing to gain a deeper understanding of 802.11 protocols, security and enterprise deployment. You will study enterprise wireless deployment elements and methodologies. Basic RF characteristics for mobile systems. 802.11 protocol operation and technologies wireless security issues and attack vulnerabilities

4. Information Assurance and Risk Management (20 credits)

This module will provide students with an in-depth knowledge of the processes used in assuring the security of information during use, sharing, storage, transmission and disposal. It will cover the protection of the integrity, authenticity, availability and confidentiality of all classes of information.

5. Ethical Hacking for Computer Security (20 credits)

This module will enable learners to develop a deep understanding of both theoretical and practical aspects of Ethical Hacking. An essential part of a modern organisation's e-security includes rigorous testing and analysis to determine vulnerabilities. Carrying out such work requires a special skill set, which crosses legal issues, psychology, computer networks along with detailed understanding of system vulnerabilities and exploits.

6. Research and Project Management (20 credits)

This module introduces students to the nature of research and the processes involved in carrying out research. General research approaches and methods for research will be introduced including literature searching, evaluation and reviewing. As an integral part of this module, students will develop a range of generic academic skills that will support them on this and other modules in their programme of study. In particular, this module will provide essential preparation for their dissertation.

7. Cyber Security Dissertation (60 credits)

The module is designed to enable you to examine a topic of direct relevance to the Master's programme and to produce a dissertation of the rationale behind the choice of topic; a critical review of the literature; justification of the research method(s) adopted; presentation and discussion of the findings, and appropriate conclusions.



Ready to apply?

Application for all our courses is direct to the University via our online application form. Simply visit our website and click on the 'Apply now' button to start your application. Our dedicated team of Learning Advisors are on hand to guide you through the application process and can provide you with additional information about financing options available for your programme.

Visit our website for more information. northumbria.ac.uk/London-applications

Dates and deadlines

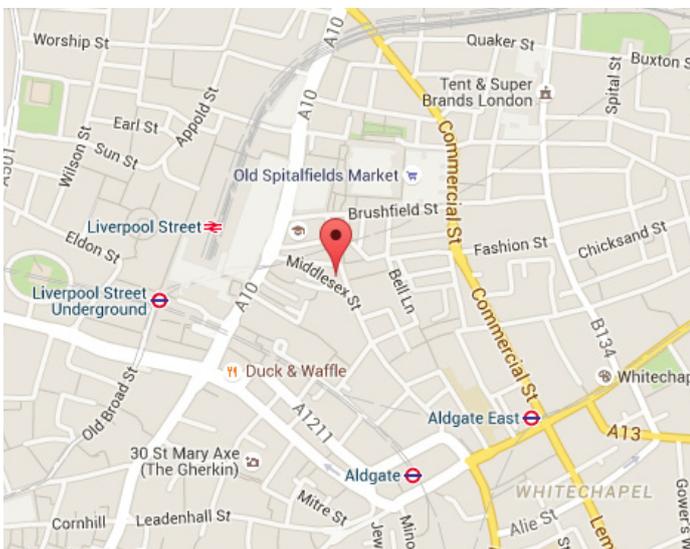
	September 2017	January 2018*
Application deadline	22 September 2017	19 January 2018
Course start date	30 September 2017	27 January 2018

*Provisional dates

Latest dates are available here: london.northumbria.ac.uk/courses/dates-and-fees

Contact Us

Our Learning Advisors are available to answer any questions you may have about starting your part-time Masters with us. You can also arrange to meet us at our London Campus to further discuss your application and experience the environment you will be learning in.



London

London Campus
Northumbria University
110 Middlesex Street
London
E1 7HT

pt.admissions@northumbria.ac.uk
020 7444 0980

The information given is accurate at the time of publication. The University reserves the right to withdraw or change the programme included in this prospectus. Please contact us or check the website for up-to-date information on our programmes.

V.13.07.17