
UNIVERSITY OF LONDON
2022
Postgraduate programmes in
Cyber Security
With academic direction from:
ROYAL HOLLOWAY UNIVERSITY OF LONDON
london.ac.uk/cyber-security
World class. Worldwide.

Join the World Class

1 **Gain hands-on experience with real-world case studies**
This degree offers a combination of modules covering important areas such as security management and governance, cybercrime, applied cryptography and information privacy. Through these modules, you'll gain hands-on experience with the latest industry case studies to help you make an impact at any organisation.

2 **Learn from world-class cyber security experts**
You'll benefit from the wide-ranging expertise of pioneering and influential academics, researchers and professionals in the cyber security field. As you advance through the curriculum, you'll learn about the most relevant tools, techniques, and technologies from thought leaders defining the future of cyber security.

3 **Employability and career progression**
This programme is targeted at career-minded individuals who wish to develop their professional skills with academic and practical insights into the subject of cyber security.

4 **Study at your own pace, on your schedule**
Studying a University of London degree online gives you the flexibility to work while you study, turning almost any location into your own classroom without the costs of face-to-face study on campus.

5 **A mark of excellence**
Earn an internationally recognised qualification from the University of London. The University has a track record of teaching, innovation and research dating back 160 years.

"In a fast changing environment of worldwide access to higher education, a University of London degree continues to offer a guarantee of quality, value and intellectual rigour."

Professor Wendy Thomson
Vice-Chancellor,
University of London

Your prestigious University of London qualification

About your qualification

When you graduate with a degree, diploma or certificate from the University of London you will receive two important documents – your Final Diploma (the parchment you receive on graduation) and a Diploma Supplement.

The Final Diploma

- Indicates that you were registered with the University of London and awarded a University of London degree, diploma or certificate.
- Gives the name of Royal Holloway, University of London as the Member Institution that developed the syllabus and provided assessment.
- Features the University of London crest and the Vice-Chancellor's signature.

The Diploma Supplement

- Describes the nature, level and content of the programme you successfully completed.
- Includes the transcript of courses taken, marks achieved and overall classification.
- States the role of Royal Holloway, University of London and the method of study.

Contents

Key dates

Applications and registration open

27 June 2022

Applications close

12 September 2022

Registrations close

26 September 2022

Programme starts

10 October 2022

Intake per year

April, October

A University of London degree from anywhere in the world

Dr Konstantinos Mersinas

Senior Lecturer, Distance Learning Programme Director

In this programme, your focus will be on mastering practical applied skills that have immediate relevance to current and emerging demands in the cybersecurity field. You'll work with real-world case studies that are being constantly updated to reflect new and timely challenges, and you'll build your skills with instruction from working professionals who are bringing their real-world challenges and solutions into the classroom.

Royal Holloway, University of London, is home to the Information Security Group (ISG), one of the largest academic security groups in the world. It brings together in a single institution expertise in education, research and practice in the field of Information Security. The ISG also includes the Smart Card Centre of Excellence. In recognition of its work, the ISG received a prestigious Queen's Anniversary Prize for Higher and Further Education.

The programme's faculty maintain strong ties with industry and consistently leverage these relationships to ensure that the curriculum is responsive and reflective of current and emerging demands in the field. As a learner in this programme, you can be confident that the skills you're learning align with the latest industry demands and expectations. This vocational emphasis helps to ensure that you emerge from the programme well-prepared to achieve career success in the field.

The MSc Cyber Security programme provides a current broad view of the field, encouraging learners from various and diverse backgrounds to join. Your learning journey will include direct access to programme tutors who are also industry professionals with specific expertise in key areas of cyber security, including graduates of Royal Holloway's Information Security programmes. This unique combination of experiences means you'll not only have the support you need to succeed in the programme, but you'll also be prepared for professional career success after you graduate.

Please note that the Programme Director is unable to respond to individual enquiries relating to the MSc Cyber Security. If you have any questions, please contact us via the **enquiry form**, or register your interest in the programme via **Coursera**.

A trusted name in global education

The University of London is one of the world's leading universities, internationally recognised for its high academic standards. This reputation is based on the outstanding teaching and research of our 17 Member Institutions.

Upon finishing a programme of study, graduates automatically become part of the University of London alumni community, a diverse global network of more than one million graduates. Among former students are seven Nobel Prize winners, including Nelson Mandela and Charles Kao, a pioneer in the development of fibre-optics.

London made global

Founded in 1836, the University of London is one of the oldest and most prestigious universities in the UK and is internationally regarded as a centre of academic excellence. In 1858, we made our degrees available to study anywhere in the world.

Today, we have more than 50,000 students in over 190 countries, studying on 100-plus degrees, diplomas and certificates.

Learn from internationally renowned experts

The programme has been developed with Royal Holloway, University of London. Royal Holloway is ranked among the top 25 universities in the UK by the 2022 *Guardian* University Guide, and is highly regarded for its strong industry ties, dynamic and engaged community of professional alumni, and its foundational commitment to diversity and inclusion.

Royal Holloway is recognised as a UK Academic Centre of Excellence in Cyber Security Research (ACE–CSR) and has received an ACE–CSE Gold Award in recognition of the institution's excellence in cyber security education by the National Cyber Security Centre (NCSC). The ISG at Royal Holloway also recently earned an Athena SWAN award recognising its commitment to, and excellence in, advancing gender equality.

Throughout your studies you'll be taught by world-class cyber security experts with decades of both industry and academic experience. As pioneering and influential researchers, academics and professionals in the security field, the programme's faculty regularly provide expert advice to a range of major bodies, including UK All-Party Parliamentary Groups, the International Organization for Standardisation, the International Electrotechnical Commission, the European Telecommunications Standards Institute and the Internet Engineering Task Force.

Build essential skills to help you advance your career as a cyber security specialist

This master's degree is designed for aspiring professionals who are looking to gain valuable insight into the methods, approaches and concepts in cyber security.

You'll build essential foundation skills over the long term, while gaining hands-on experience with the latest industry case studies. You'll learn a broad range of timely and relevant topics to prepare you for real-world career success and ensure that you can make an immediate impact at any organisation.

By studying this programme, you will gain:

- practical applied skills relevant to current and emerging demands in the cyber security field
- the ability to master the latest and most relevant tools, techniques, strategies and technologies
- the ability to think critically about how organisations manage security
- direct access to industry professionals with specific expertise in key areas of cyber security
- experience of working with real-world case studies that reflect new and timely challenges
- independent critical and evaluative skills, and intellectual curiosity for life-long learning
- a globally recognised qualification from one of the top 25 universities in the UK with a long history of leadership and innovation in information security and cyber security.

In some countries, qualifications earned by distance and flexible learning may not be recognised by certain authorities or regulators for the purposes of public sector employment or further study. We advise you to explore the local recognition status before your register, even if you plan to receive support from a local teaching institution.

Collaboration with Coursera

An academic first approach

We are extremely proud to have been the first university to partner with Coursera when it embarked on its first bachelor's degree back in 2018. The University of London has more than 53 courses on the Coursera platform, generating over 3.4 million Coursera learner enrolments. Coursera has over 97 million registered learners spread over more than 5,400 courses and more than 640 specialisations. They've partnered with some of the world's leading universities, which include Johns Hopkins University, University of Michigan, The Hong Kong University of Science and Technology, and Shanghai Jiao Tong University. Coursera's courses are used by leading brands to train and update their staff. You can read more about Coursera at: **about.coursera.org**

US-imposed restrictions

United States export control regulations prevent Coursera from offering services and content to users in certain countries or regions. More information about which countries or regions are affected can be found at: bit.ly/intl-restrictions

Coursera must enforce this restriction in order to remain in compliance with US law and, for that reason, we advise that all learners check this information before applying to the programme.

Welcome from Betty Vandenbosch, CCO

We are honoured that the University of London is launching its fourth degree programme on Coursera. This new programme enables the next generation of cyber security leaders to earn a flexible, affordable degree from one of the top 25 universities in the UK. The Master of Science in Cyber Security was designed by leading experts at the ISG, recognised as one of eight Academic Centres of Excellence in Cyber Security Research in the UK. Through lectures you can watch at any time, real-world projects and online tutorials showcasing the latest tools, you will study and learn how to apply security management, cybercrime, cryptography and information privacy skills. This job-relevant programme will prepare you for the nearly six million new cyber security jobs that will emerge by 2025 – of which nearly 100,000 will be in the UK. I am eager for the incoming students, and eventual graduates, of this programme to shape the future of cyber security and help keep organisations safer and more secure.

About Coursera

Coursera was launched in 2012 by two Stanford Computer Science professors, Andrew Ng and Daphne Koller, with a mission to provide universal access to world-class learning. It is now one of the largest online learning platforms in the world, with 97 million registered learners as of December 2021. Coursera partners with over 250 leading university and industry partners to offer a broad catalogue of content and credentials, including courses, specialisations, professional certificates, guided projects, and bachelor's and master's degrees. Institutions around the world use Coursera to upskill and reskill their employees, citizens and students in fields such as data science, technology, and business. Coursera became a B Corp in February 2021.

How you study

The programme offers a variety of highly engaging learning materials and activities. Your learning experience will be enhanced with an accessible and attractive virtual learning platform and opportunities for self-assessment so you can understand your own progress.

A range of integrated knowledge and skills development approaches are used to encourage learning: pre-recorded videos, readings, formative discussion forums, formative multiple-choice quizzes and online tutorials.

Each 15-credit module comprises weekly topics, corresponding to the key content items detailed in the module descriptors, and equating to approximately 10–12 hours of directed learning per week. There are four study sessions in a year, each lasting 10 weeks. Sessions begin in October, January, April and July. Each session is followed by an assessment submission point.

Programme structure

The MSc Cyber Security consists of:
10 core modules (15 credits each)
one Project module (30 credits)
The PGDip Cyber Security consists of:
one core module (15 credits)
seven optional modules (15 credits each)
The PGCert Cyber Security consists of:
one core module (15 credits)
three optional modules (15 credits each)

Select modules from the MSc Cyber Security are available to study on a stand-alone basis, subject to module availability. You may take three modules (45 credits total) on a stand-alone basis without being registered for the PGCert, PGDip or MSc.

Online support

The programme is delivered online and there is no requirement to come to the UK as part of your studies. Our flexible online programme allows you to work around your own schedule and leads to a globally-recognised qualification.

When you register, we will give you access to the Student Portal. You can then access your University of London email account and other key resources including:

- The Student Guide which provides information is common to all students and gives useful information about your relationship with the University of London through to graduation.
- The Virtual Learning Environment (VLE) which provides access to:
  - Study materials (including lessons, activities and assignments)
  - Sample examination questions and formative multiple-choice quizzes (MCQs) to aid revision.
  - Online tutorials and interactive webinars provide support and guidance throughout each study session.
- Communication tools such as discussion forums, Slack (a cloud-based messaging system) and Zoom (video conferencing software).
- Online Student Relationship Managers will guide students through their learning journey.

- The Online Library provides access to over 100 million academic electronic items comprising ebooks, ejournals, conference proceedings etc. In addition, you can request items which are not held in the library via the Online Library's Inter Library Loans service with the British Library. All registered students have free access to the University of London's Online Library via: **onlinelibrary.london.ac.uk**
- Senate House Library provides free reference access for all registered distance and flexible learning students.

Study materials

All essential resources, activities, videos, discussions and support are provided through the VLE. This allows you to fit your studies around your work commitments. There is no need to purchase additional textbooks.

Time commitment

The flexible approach to learning allows students to complete the MSc Cyber Security in a minimum of two years (subject to module availability) to a maximum of five years.

You can study at your own pace, either part time or full time, adjusting the intensity of learning to suit your needs.

Entrance requirements and further information

To register for the MSc Cyber Security, you will normally need to satisfy our general entry requirements. The University of London welcomes qualifications from across the world, which are equivalent to UK GCSEs and A levels. This degree is open to those with non-traditional qualifications via our performance-based route. This route also welcomes applications from those with relevant work experience but no formal qualifications. For further information visit: **london.ac.uk/cyber-security**

Entry route 1: Direct entry route

To qualify to register for the MSc, PGDip or PGCert you will need a bachelor's degree which is considered at least comparable to a UK second-class honours degree from an institution acceptable to the University.

Entry route 2: Performance-based admissions

If applicants do not meet the requirements for direct entry, they can apply for the MSc via the performance-based admissions (PBA) route. To qualify for entrance via the PBA route you will need a third-class bachelor's degree or Aegrotat.

Applicants with an appropriate professional experience qualification from a recognised professional body will be considered on an individual basis. Students on the PBA route may transfer to the MSc on successful completion of two modules (30 credits).

Entrance requirements for stand-alone individual modules

To qualify to register for a stand-alone individual module you will need a third-class bachelor's degree or Aegrotat.

Recognition of Prior Learning (RPL)

We consider applications for RPL on the basis of studies successfully completed at an appropriate level.

If you are registering on the MSc Cyber Security, you may apply for RPL for up to 120 credits (eight 15-credit modules).

If you are registering on the PGDip Cyber Security, you may apply for RPL for up to 75 credits (five 15-credit modules).

If you are registering on the PGCert Cyber Security, you may apply for RPL for up to 30 credits (two 15-credit modules)

English language requirements

You must satisfy the English language requirements for the programme. For more information on the requirements please visit: **london.ac.uk/applications/how-apply/english-requirements**.

If you do not meet the English language proficiency requirements but believe that you can demonstrate the requisite proficiency, the University may, at its discretion, consider your application.

Computer requirements

The University of London sets minimum basic computer requirements because your study resources are accessed via the Student Portal and it is vital that you can access this regularly.

For this programme, you will need regular access to a computer with an internet connection. You will also need to be able to view video material and access to a media player (such as VLC) to play video files.

For more information about computer requirements, please visit: **bit.ly/computer-reqs**

How to apply

Please refer to the MSc Cyber Security webpages for details on how to apply: **london.ac.uk/cyber-security**

Fees

The total fee payable to the University of London for 2022–2023 will be published on our website once confirmed. On average, fees incur a five per cent year-on-year increase. For the latest information on programme fees, please visit: **london.ac.uk/fees**

Please note: student fees shown on our website are net of any local VAT, Goods and Services Tax (GST) or any other sales tax payable by the student in their country of residence. Where the University is required to add VAT, GST or any other sales tax at the local statutory rate, this will be added to the fees shown during the payment process. For students resident in the UK, our fees are exempt from VAT.

The information contained in this prospectus was correct at the date of publication but may be subject to change. The University does not intend by publication or distribution of this prospectus to create any contractual or other legal relation with applicants, registered students, their advisers or any other persons. For the most up-to-date information, please visit our website.

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For further information on the range of programmes we offer, please visit our website (**london.ac.uk**) or contact us at:

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London WC1E 7HU
United Kingdom

Telephone enquires: **+44 (0)20 7862 8360**

Online enquiries: **sid.london.ac.uk**

View the **Cyber Security** web page

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Please contact: **special.arrangements@london.ac.uk**

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