Online MSc Cyber Security

Secure your future with advanced skills in digital security.
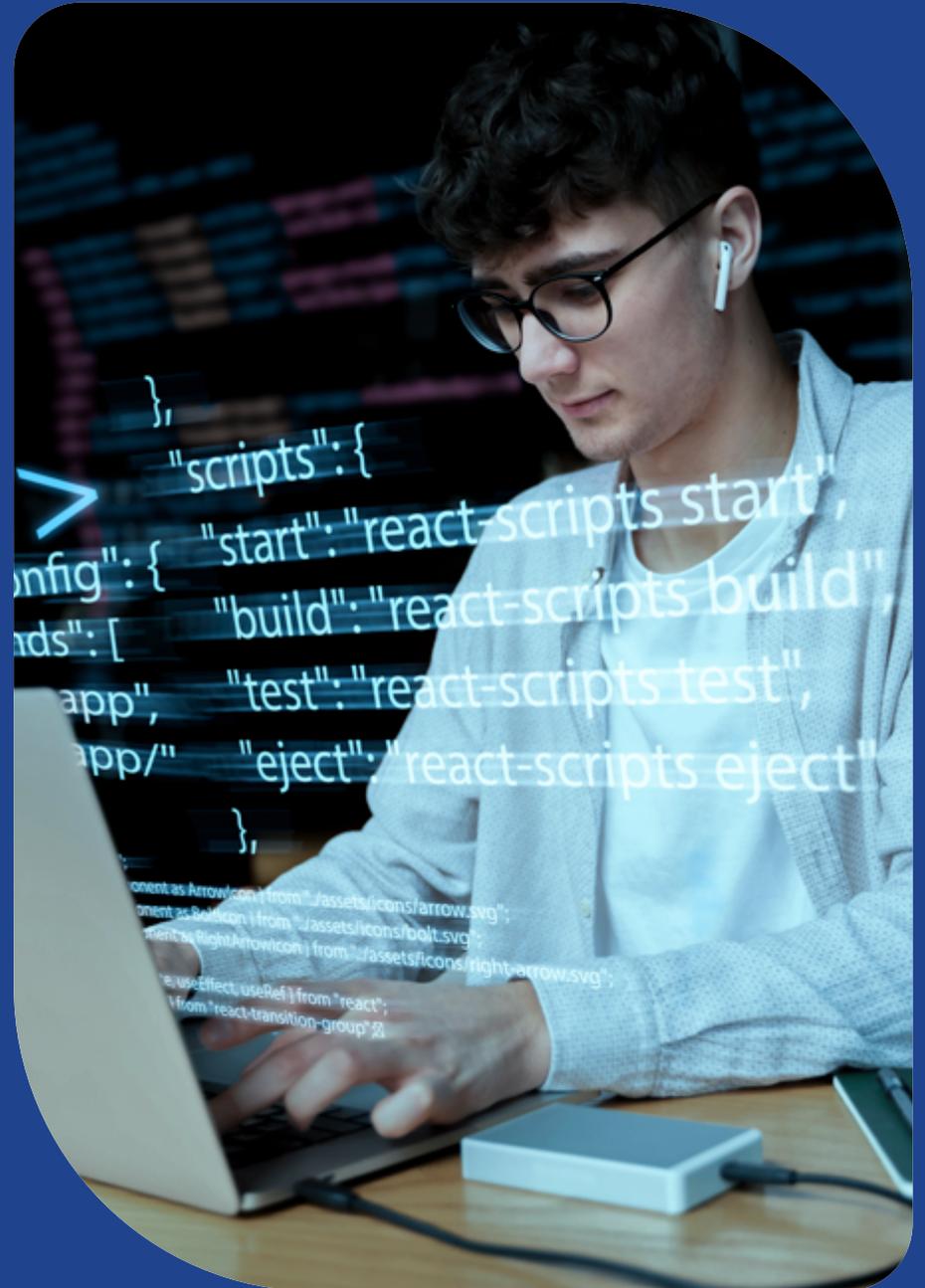
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Essential information

Start date
January, March, June, and September

Study mode
Online

Duration
2 years, part-time

Grow with the best

London's #1 modern university
(Times Good University Guide, 2022)

Top 10 for postgraduate satisfaction
(Postgraduate Taught Experience Survey, 2023)

Silver in 2023 Teaching Excellence Framework
(Teaching Excellence Framework, 2023)

Joint number 1 modern university in the UK for research
(Research Excellence Framework, 2021)

Ranked in the top 15% of young universities worldwide
(Times Higher Education Young University Rankings, 2024)

Your online learning experience
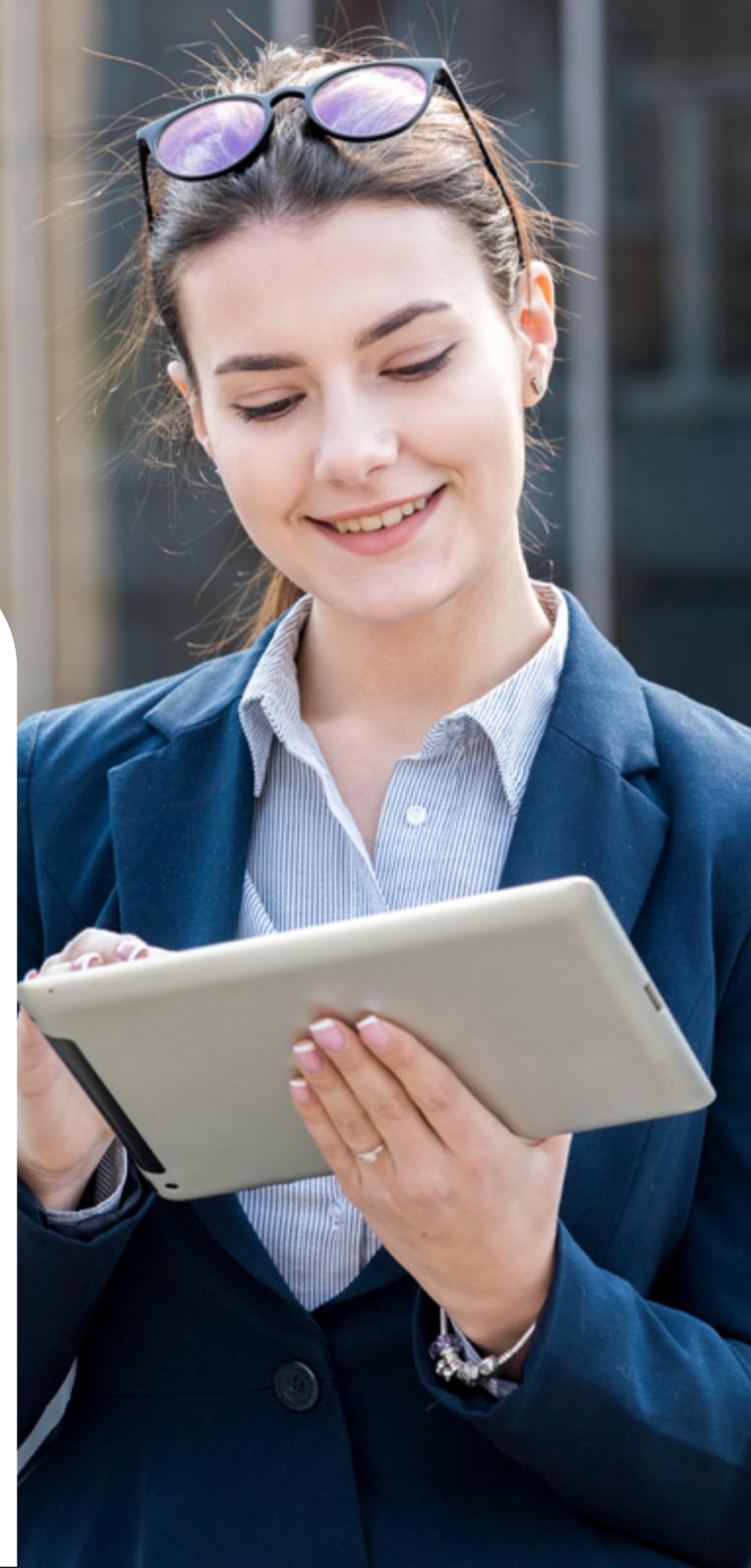
Learn how you like.

Grow your career, wherever you are, with our cutting-edge virtual learning platform. Gain on-demand access to course materials and resources from multiple devices.

Support when you need it.

Access our dedicated support teams to answer queries quickly and feel confident throughout your learning journey.

Prepare for your next steps.

Shape your educational journey to match your career objectives with our adaptable learning paths and specialised resources relevant to your future success.

Fortify your future in cyber security

Advance with a recognised qualification.

With our internationally respected computing programme, you'll enhance your credibility and career prospects as a tech professional across a wide range of sectors, giving your career mobility and security.

Specialise your technical skill set.

You'll gain must-have hard skills and digital competencies in digital defence, such as network security, forensics, machine learning, and more to keep the ever-evolving world of technology foolproof.
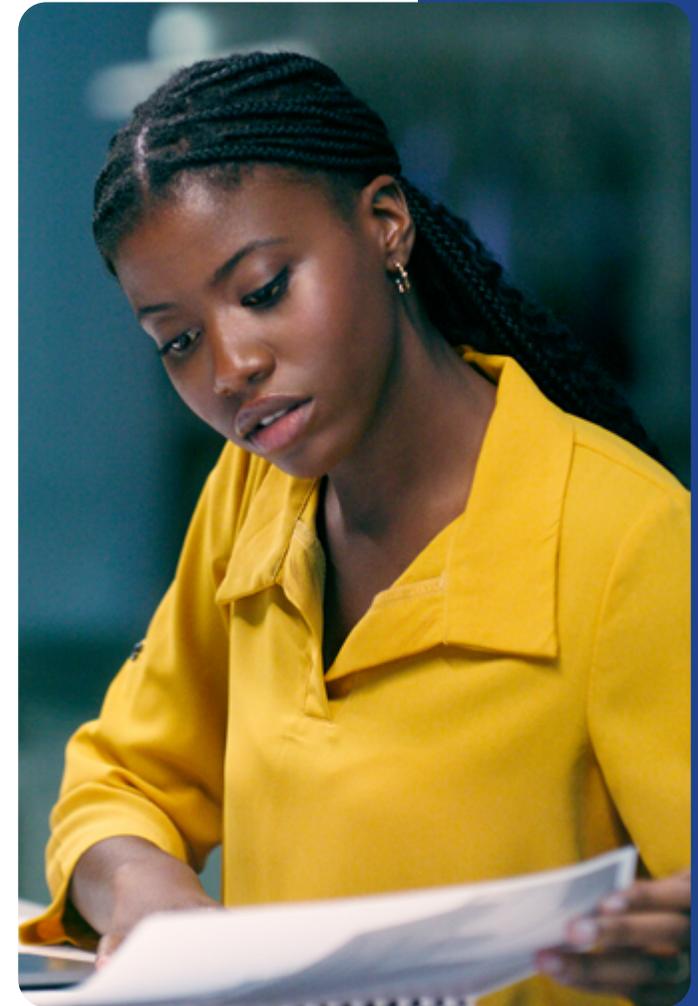
Broaden your digital experience.

Go beyond textbook must-haves and immerse yourself in real-world cybersecurity scenarios. From case studies to hands-on projects, you'll develop practical skills that can be applied to the modern workplace.

Expand your global network.

You'll grow your professional network by connecting with a diverse community of like-minded peers and gaining invaluable insights into global practices from the experts themselves.

Get future-ready for the tech industry.

You'll stay ahead of the curve and embrace new career opportunities within the digital landscape with the support of top academics and an on-demand careers support team.

Programme overview

With digital threats on the rise, lock in your place – and future – in the fast-growing field of cybersecurity with our master's programme. You'll explore critical topics such as risk management, forensics, and security testing, building a robust and practical foundation for navigating the increasingly complex digital landscape.

You'll become a valuable, technically savvy asset to your organisation while balancing your studies with other professional commitments, thanks to our self-paced modules and cutting-edge virtual learning platform.

Modules:

With Roehampton, learning is possible anywhere, anytime, and in any way. You'll progress through each 20-credit module at your own pace, allowing you to balance your studies with your other commitments seamlessly. Experience a blend of hands-on learning practices, including engaging videos and collaborative workshops.

- Computer and Operating Systems
- Networking and Security Practice
- Cyber Risk Management
- Digital Forensics
- Security Testing
- Cyber Security Automation

Wrapping up this degree you'll complete a final project (worth 60 credits) and be able to participate in our optional work and/or industrial placement programme during the summer term.

Modules

You'll complete six compulsory modules on our Online MSc Cyber Security.
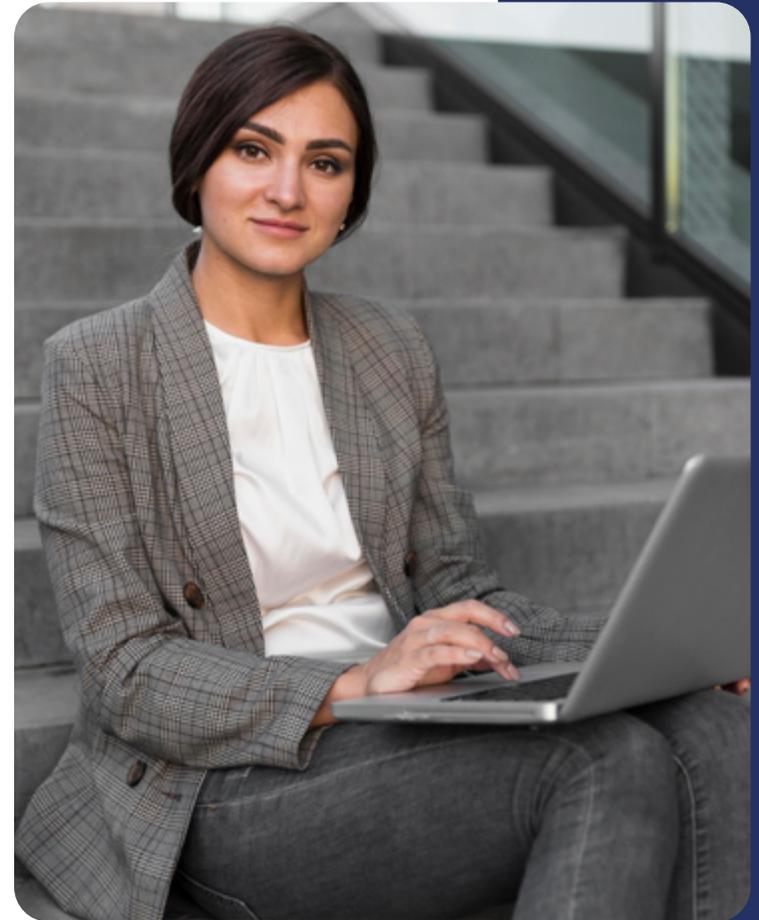
Computer and Operating Systems

Strengthen security measures by grasping the core principles and identifying vulnerabilities of computer and operating-based systems. Gain hands-on experience in OS hardening, system performance evaluation, and effective management of user accounts and processes.

Networking and Security Practice

Dive into the world of computer networking with an emphasis on secure-by-design principles. Acquire essential skills in networking concepts, protocols, and professional standards to establish a strong foundation for careers in network security.

Cyber Risk Management

Analyse governance, risk, and compliance frameworks essential for managing cyber security threats. Develop critical thinking and practical skills to implement effective risk assessment methodologies and navigate regulatory landscapes.
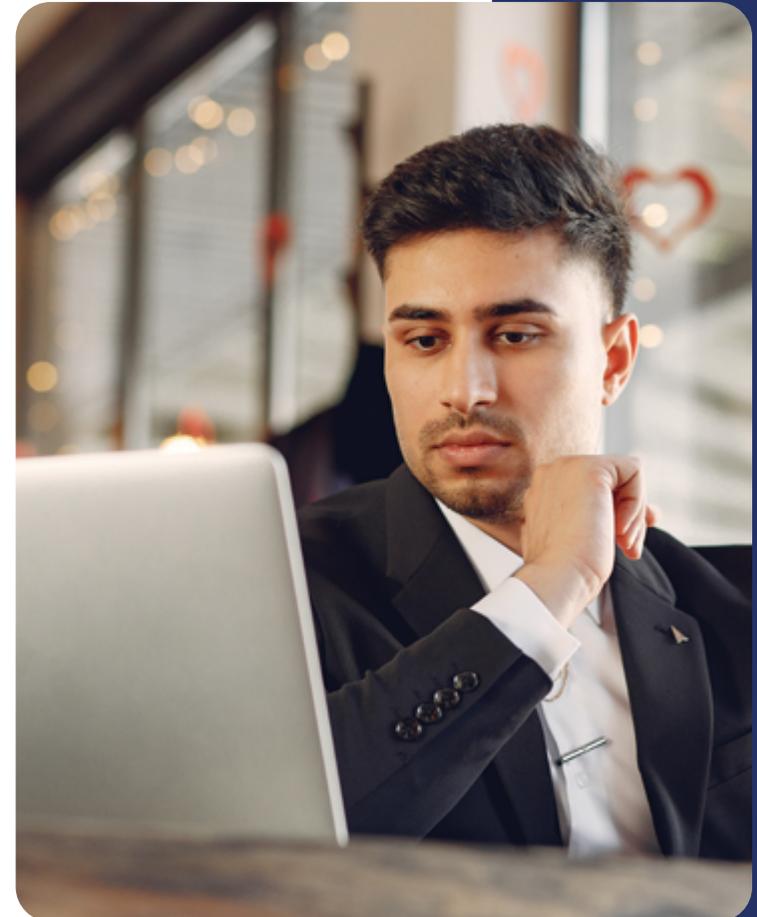
Modules

Digital Forensics

Investigate the digital footprints left by online activities to uncover evidence in corporate and criminal cases. Learn about forensic processes, evidence preservation, and techniques for analysing digital artefacts.

Security Testing

Conduct security assessments on web and mobile applications to identify weak spots. Master penetration testing procedures and learn to defend against common threats and attacks, ensuring robust application security.

Cyber Security Automation

Automate security processes to enhance the resilience of systems against cyber threats. Build practical skills in threat detection, incident response, and compliance monitoring, while leveraging key automation techniques.

Entry requirements

Higher Education Requirements

This programme prepares you for graduate roles focused on applying data-driven strategies to optimise processes and implement best practices within business contexts. To be eligible for this online degree, you must normally hold a second-class honours degree in a STEM subject. You should have a background in computing or computer science, gained through previous study or relevant professional experience. Applicants with a third-class honours degree or significant work experience may also be considered on a case-by-case basis.

English Language Requirements

Our programmes are delivered in English. Non-native English speakers must demonstrate a minimum standard of English language proficiency through a valid English language qualification that is no older than two years from the date of issue. Accepted language tests and scores for postgraduate degrees include:

- **IELTS Academic** – 6.5 overall

- **Roehampton English Language Test** - 6.5 overall

- **Kaplan test of English** - 478-509 overall

- **TOEFL IBT** - 89 overall

- **PTE Academic** – 59 overall

- **Cambridge** - 176 overall

Programme leaders

Dr Alison Watson

Professor Alison Watson is a senior academic leader specialising in leadership, sustainable development and accreditation. Formerly a Head of School at Arden University she oversaw student success and outcomes for 12,000+ students and delivered a globally recognised MBA redesign. A Principal Fellow of AdvanceHE, Chartered Manager (CMI) and Chartered Marketer (CIM), her research covers marketisation of HE, segmentation, student recruitment and e-learning, with current work on responsible leadership. She holds an MBA (Leicester) and a PhD (Teesside).

Dr Maria Argyropoulou

Dr. Maria Argyropoulou brings extensive academic and managerial experience to the Roehampton campus. Over the past decade, she has focused her research on entrepreneurial economics and organisational studies. Her expertise spans business development, management, innovation, leadership, information technology, strategic management, and marketing management.

Support from day one

Online learning doesn't mean you have to navigate your educational and professional journey alone. We're here to help with a range of our student support services:

Study support:

We offer extensive academic resources and study support services to enhance your learning and success, all available from day one.

Admissions support:

Our admissions team is here to assist you at every step of the enrolment process. They're happy to answer any queries you have throughout your online journey.

Technical support:

To ensure you receive a seamless online learning experience, our on-demand technical support team will be there to answer any technology-related issues or questions you have.

Financial support:

We're committed to helping you invest in your academic journey without overwhelming your finances, offering financial support options to accommodate your needs.

Career opportunities

At Roehampton, we recognise that acquiring the right skills is essential to securing your dream career. That's why employability is central to all our online degree programmes.

Beyond the valuable knowledge gained through our modules, we offer a range of career services to further boost your chances of achieving your professional goals.

Here are just a few of the resources available to you as an online postgraduate student at Roehampton:

CareerLink: Our online career services tool offers CV builder support, interactive mock job interviews, volunteering and jobs directories, skills courses, and more.

Handshake: Roehampton's career services app of choice connects you with top employers and allows you to discover employment opportunities.

Career advisors: Set up an appointment with one of our career advisors to get advice on career planning, job applications, and interviews.

On-demand webinars: Hear from experts and gain essential insights to help you make informed decisions about your career and academic future.

Begin your postgraduate degree with **Roehampton**