University of Roehampton London

Online MSc Computing

Compute your dream career with industry-aligned technical skills.

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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

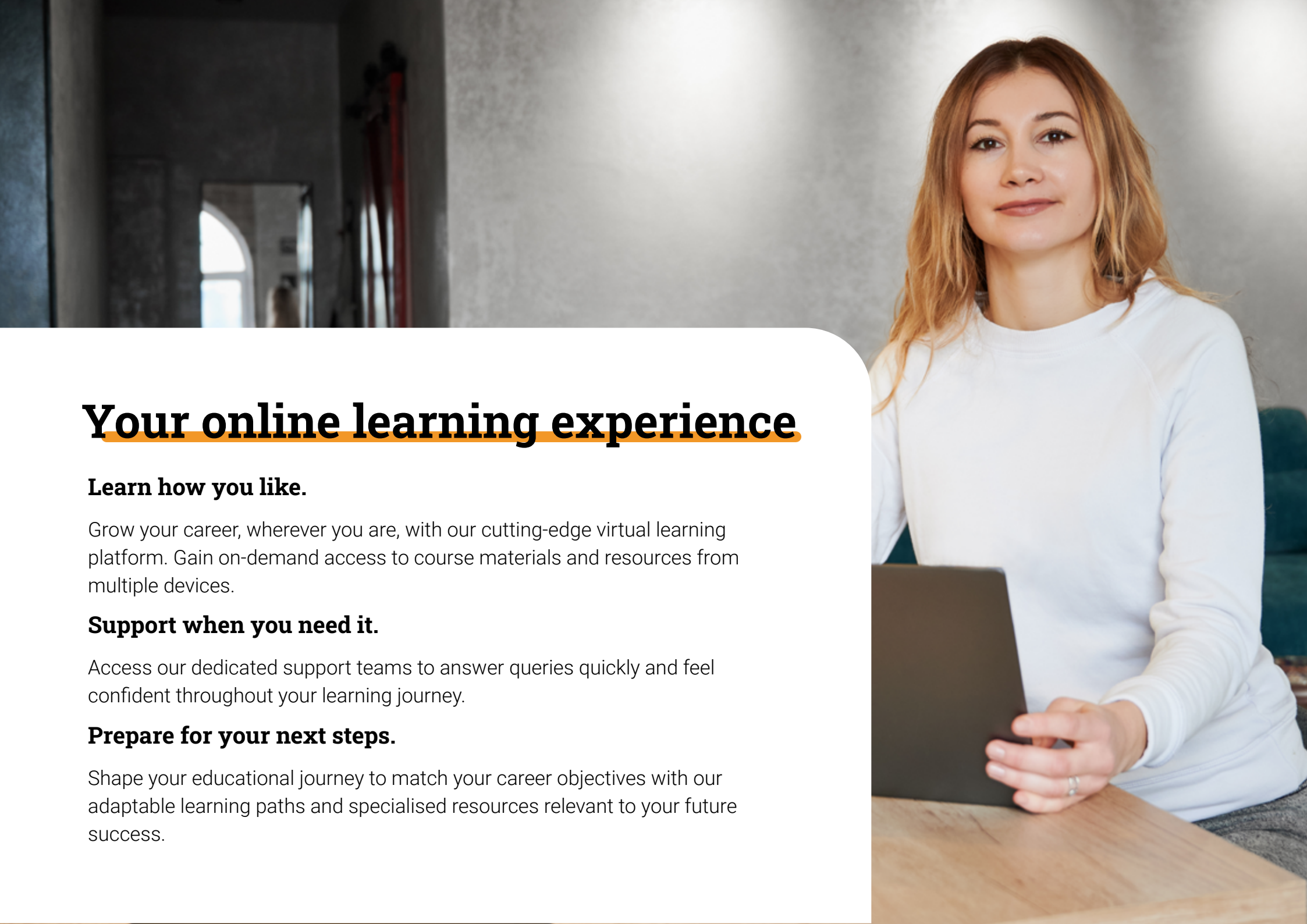
(Teaching Excellence Framework, 2023)

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.

Upgrade your future with a qualified computing degree

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 software development, databases, cyber security, and more to stand out in the ever-evolving world of technology.

Broaden your digital experience.

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

Step into the dynamic world of computing with career-ready computer science skills that empower you to innovate, solve complex problems, and make a real impact in the tech industry.

With a curriculum tailored for working professionals, our Online MSc Computing will prepare you to become a skilled professional, ethical practitioner, and transformative thinker, all from the comfort of your home.

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.

What's more, this conversion programme requires no previous academic experience before joining!

- Software Development I
- Software Development II
- Computer Systems
- Databases
- Computing and Society
- Cyber Security

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

Modules

You'll complete six compulsory modules on our Online MSc Web Development.

Software Development I

Discover foundational principles of programming, including syntax, data types, and control structures, while actively designing and building software applications. Cultivate problem-solving skills by implementing and debugging code for real-world challenges and get hands-on experience with Python.

Software Development II

Building on learnings from Software Development I, undertake medium-sized web development projects using contemporary frameworks and techniques. Gain advanced programming skills in graphical user interfaces, and data stores, and applied software design principles through collaborative projects.

Computer Systems

Explore essential concepts of computer system design, including logic design and state machines, while gaining hands-on experience in writing Assembly and C language programmes and evaluating system performance.

Modules

Databases

Examine data modelling using concept models, spreadsheet models, relational data models, and object-oriented models. Delve into SQL and learn how to utilise its functionalities to secure database systems from attack.

Computing and Society

Assess computing's role in society by discussing ethical practices, legal frameworks, and sustainability measures. Apply these principles in software engineering, artificial intelligence, data science, and cyber-security contexts.

Cyber Security

Strengthen computer systems with tech-focused strategies in ethical practice, risk management, and compliance. Mitigate cybercrime by understanding secure design, cryptography, and more.

Entry requirements

Higher Education Degree
To be eligible for this online degree, you should hold a second-class honours degree of any background from a recognised university. However, the University of Roehampton encourages non-graduates with appropriate professional qualifications and those with third-class honours degrees to apply.

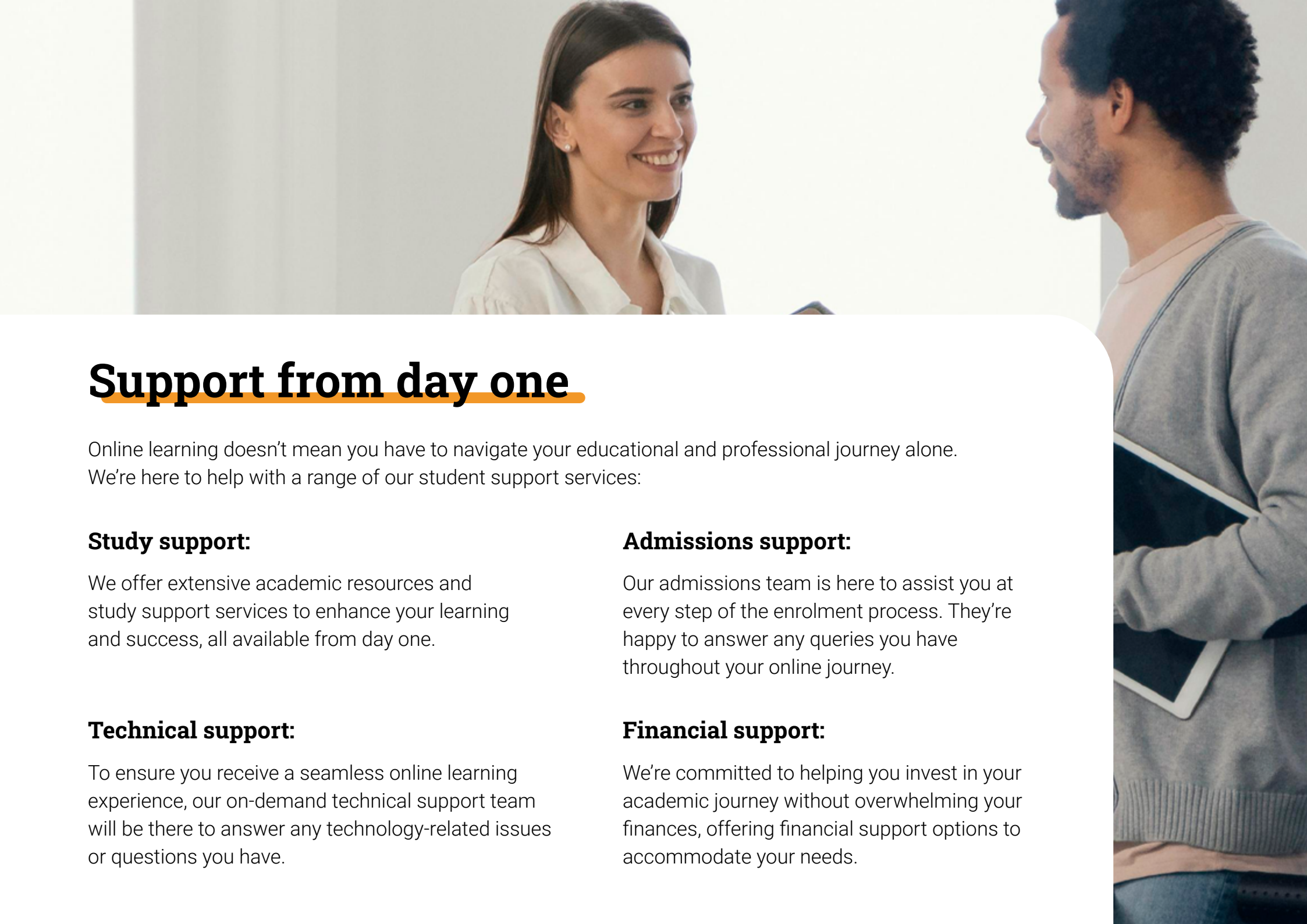
English Language Requirements
Our programmes are delivered in English. Non-native English speakers must demonstrate a minimum standard of English language proficiency through a valid English language qualification that is no older than two years from the date of issue. Accepted language tests and scores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

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 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.

University of Roehampton London

Begin your postgraduate degree with **Roehampton**

START MY APPLICATION

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