



MSc Computing and Technology (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

The MSc Computing and Technology programme is designed specifically to enable you to update, extend and deepen your knowledge in computing and IT and wider digital leadership and technology subjects, in order to enhance and accelerate your career opportunities. By completing the MSc in Computing and Technology you will be able to demonstrate capabilities in the areas of the Computing and Digital Technology subject discipline.

This Masters programme has been designed in consultation with partners from the industry to ensure you learn up-to-date computing knowledge required by employers across the industry. 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.

Key facts

- Enhance your knowledge in the application of programming language, big data and software life cycle modelling
- Learn how to develop an innovation strategy whilst assessing associated risks and innovation capabilities in an organisation

- Develop your business intelligence and leadership capabilities
- The Advanced Practice includes an Internship, Group Consultancy Project or Research Project, enhancing your employability with all-important work experience
- Upon graduating, opt to further develop your skills and employability with Professional Pathways programmes through one of the UK's leading IT and project management training providers, QA

Course information

Level of study: Postgraduate

Fee (UK/Home): £11,000 (25/26)

Fee (International): £20,950 (25/26)

Entry requirements: 2:2 honours degree, or equivalent in any subject IELTS 6.5, with no single element below than 5.5, or equivalent .

English language requirements: IELTS 6.5, with no single element below than 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?

The central theme of the programme is to develop you as digital leader, and in support of this throughout the programme you will engage in a range of modules designed to develop your competences in areas such as Digital Leadership, Information Governance and Cyber Security, Innovation in Business & Technology, Software Engineering and Database Analytics.

As you progress through the programme you will develop as a well-rounded and outward-looking professional capable of taking responsibility for, and effective leadership of, computing and technology projects and people, capable of making good decisions and improving the performance of yourself, your people, your areas of responsibility and your organisation.

The programme recognises that as a computing professional you are required to develop competencies in a range of specific computing techniques alongside softer skills in areas such as leadership, communication, problem solving and commercial reasoning. By successfully completing your programme you will have not only have demonstrated mastery of these skills but alongside the development of your personal practice your ability to impact personal and organisational performance. It is the combination of these factors that will advance your personal development and

enhance your career opportunities.

The programme will cover the following languages:

- Web Technologies such as HTML, CSS and JavaScript
- Object-Oriented Programming languages such as Java
- Database and Data Analytics- SQL, MySQL, and data analytics software (e.g. Tableau, etc.)

How will I be taught and assessed?

- Teaching is delivered through mix of lectures, workshops, labs, seminars and tutorials **10-12 hours per week**
- You're expected to engage in independent study, around **30-32 hours per week**
- **Assessment** includes coursework, critical report writing, practical exercises, individual, group and research project work.
- 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

This Masters programme has been designed to ensure that 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. The qualification is designed to accelerate your skills and competence in a range of job roles, including roles in leadership and management in IT, Software Engineer, Database Developer, Data Analyst, Information Security professional, Business Analyst, to name but a few.

Upon successfully completing your course, you may undertake further professional development and training through Professional Pathways programmes. These are offered to our graduates for free, from our partner, QA. [Find out more about Professional Pathways and your eligibility.](#)

Advanced Practice stage

The Advanced Practice version of this course offers you a valuable opportunity to deepen your knowledge and enhance employability in your specialist field. This will be through completing additional 60 credit Advanced Practice module after when you have completed 120 credits of taught modules. This module will provide experiential learning opportunities.

These can either be a 12-week work placement, group consultancy project, research group project, 12-week Professional Skills Practice, 12-week Enterprise Start Up or 12-week Multidisciplinary Innovation project. This experience gives you

the opportunity to apply skills and knowledge acquired during the taught part of your programme and to acquire new skills and knowledge in an alternative learning environment. Specific learning will be defined in a personal learning contract.

- **September starts:** If you choose to start your Masters with Advanced Practice in September, your programme will last for up to 21 months. You will have a summer break in May and commence your Advanced Practice stage in January.
- **January starts:** If you choose to start your Masters with Advanced Practice in January, your programme will run for 24 months. You will commence the Advanced Practice stage of the programme in the September following your second summer break. Please note that there are two summer breaks included in this programme for those starting in January.
- **May starts:** For those starting your Masters with Advanced Practice in May, you will start the Advanced Practice stage of the programme in the May after you have started your programme. Your programme will run for a total of 16-18 months. Please note that there is no summer break included in this programme for those starting in May.

The Advanced Practice programmes are structured as below:

	Sept-Jan	Jan-May	May-Sept	Sept-Jan	Jan-May	May-Sept	Sept-Jan
September starts	Semester 1	Semester 2	Summer break	Semester 3	Advanced Practice stage		
	Professional Practices in Computing and Digital Technologies Project (Sem 1, 2 & 3)						
January starts		Semester 1	Summer break	Semester 2	Semester 3	Summer break	Advanced Practice stage
		Professional Practices in Computing and Digital Technologies Project (Sem 1, 2 & 3)					
May starts			Semester 1	Semester 2	Semester 3	Advanced Practice stage	
			Professional Practices in Computing and Digital Technologies Project (Sem 1, 2 & 3)				

[Enquire now](#)

Entry requirements (1 year MSc)

Academic requirements

- Minimum 2:2 (second class) honours degree from a UK university, or equivalent in any subject

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 who do not meet the academic requirements but who do have substantial experience of working in a business organisation and/or possess a relevant professional qualification will also be considered. If you are unsure if you meet the entry criteria, please contact us and our team will be able to advise you.

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 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 £200-250 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

Depending on the country you are from, you may be eligible for a country bursary and/or scholarship when studying the MSc Computing and Technology programme.

All of our scholarships and bursaries are automatically applied when we process your application and one of 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-session 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 support 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 the **1 year MSc Computing and Technology**. 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
Apply for Pre-Masters + 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. Please refer to the [Dates and Fees](#) page.

You can check more information on [how to apply here](#), including guidelines for the application forms.

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](#).

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Fees and finance (Advanced Practice)

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- **International students:** £23,950

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This bursary is only available for international students from specific countries. Please visit our Scholarships page [LINK-<https://london.northumbria.ac.uk/courses/new-students/bursaries-and-scholarships/>] for more information.

*As defined by UKVI

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