



# MSc Computing and Technology (Part-Time)

## London Campus

**Level of study:** Postgraduate

**Mode of study:** Part-time

**Duration:** 2 years (up to 14 weekends)

## 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 Computing and Technology you will be able to demonstrate capabilities in the disciplines of Computing and Digital Technology.

The programme is especially aimed at those who are wishing to develop and advance their career within the technology sector and is ideally suited to those who have no prior learning in computing subject areas, the modular content is reflective of this strategy.

## Key facts

- Designed for those wishing to develop or accelerate a career in computing and technology
- Delivered over 2 years in part-time mode – up to 14 weekends with supporting online or face-to-face tutorials as required
- 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
- Structured professional practice support for career development or transition, including a career review and development plan
- Also available full-time, or as MSc Computing and Technology with Advanced Practice which includes an internship, consultancy project or research project.

## Course information

**Level of study:** Postgraduate

**Fee (UK/Home):** £10,460 (24/25)

**Entry requirements:** Minimum 2:2 honours degree, or equivalent, from a recognised university in any subject (except Cyber Security) Professional qualifications that are equivalent to an honours degree or work experience may also be acceptable. **Mode of study:** Part-time

**Duration:** 2 years (up to 14 weekends)

**Assessment methods:** Coursework

**Scholarships or bursaries:** available

**Student finance:** available

**Payment plan:** available

## About this course:

### What will I study?

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 this programme, you will be able to demonstrate capabilities in the disciplines of computing and digital technology.

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

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.

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 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?

- You will be taught using a range of methods such as **workshops, tutorials, directed study and discussion forums**, and led by experienced lecturers and academics
- You will be encouraged by your tutor to integrate your work practice in the module content and development of assessments. By following this approach there are opportunities to **connect learning delivered during the module to your role** and vice versa.
- For each module, you can expect **24 hours** (for theoretical modules) or **30 hours** (for technical modules) of overall contact time delivered through interactive workshops and face-to-face classroom sessions.
- This will be supported by a minimum of **12 hours of guided tutor learning** which can be delivered virtually, examples include tutorials, tutor-led collaborative exercises with peers, discussion forums and video presentations.
- You will also be expected to engage in **independent study**, around 176 hours for each module. This will be supported by your module tutor and will consist of pre-class reading preparation, research, assessment preparation, development and writing as well as skills development and online tests and quizzes.
- The assessment for this programme is **100% coursework**, with examples including report writing and tangible pieces of work such as a programme or database, portfolio and a final project.
- **Technology Enhanced Learning (TEL)** is embedded throughout the course with tools such as the 'Blackboard eLearning Portal and electronic reading lists that will guide your preparation for seminars and independent research.
- We offer extensive student support in and outside of the classroom with a dedicated student support team based in London.

**Response to Covid-19:** Our focus is on providing a safe and welcoming learning environment and ensuring continued access to learning. More information about our [response to Covid-19 and FAQs are available here](#).

## Careers and further study

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.

The qualification is designed to accelerate your skills and competence in a range of job roles, including (but not limited to) roles in

- Leadership and management in IT

- Software Engineer
- Database Developer
- Data Analyst
- Information Security Professional
- Business Analyst

Related reading

**Meet your Programme Leader, [Usman Butt](#)**

### **Computing and Technology reading:**

- [Innovations in Technology 2019](#)
- [Essential Skills for Computing Professionals](#)
- [Take Control of Your Career: New Part-Time Programmes at the London Campus](#)

### **Part-Time study:**

- [All You Need To Know About The Postgraduate Masters Degree Loans](#)
- [Q&A: What to Expect From Our Part-Time Masters Learning Advisor Service](#)
- [Your Step By Step Guide For Applying To Applying For a Part-Time Masters](#)
- [What Financing Options Are There Available For Part-Time Study?](#)
- [Investing In Employees: Corporate Sponsorship in Higher Education](#)
- [Infographic: Options For Financing Your Part-Time Masters](#)

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## **Entry requirements**

### **Academic requirements**

- Minimum 2:2 honours degree, or equivalent, from a recognised university in any subject (except Cyber Security)

### **Non-standard entry requirements**

- Relevant qualifications and/or work experiences, such as CompTIA, Cisco, Microsoft, (ISC)2, Amazon AWS or any other related certifications, 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.

### **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.

Please note: we are not currently able to sponsor **international students** to study this programme. If you require sponsorship to study as an international student, this course will unfortunately be unavailable to you. For an alternative option, have a look at our full-time [MSc Computing and Technology](#) programme.

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## Modules

All modules on this course are core and 20 credits unless otherwise stated.

### Information Governance and Cyber Security

In this module, you will learn about the information governance and cyber security principles that underpin the management of an organisation's information assets. You will critically analyse the key concepts, theories, standards and frameworks of information governance and security, including risk management.

It will enable you to evaluate an organisation's current approach to information governance and cyber security. You will have the expertise to advise on the design and implementation of an appropriate strategy for managing an organisation's information (ensuring all assets meet legal, regulatory, organisational and/or societal needs for information governance and cybersecurity).

### Leadership in a Digital Age

In this module, you will develop new knowledge and skills in leadership in a digital context. These capabilities are essential for your career development as they enable you to become competent at the visioning, development and deployment of technological strategies and responses to challenges and opportunities in complex organisational environments.

### Principles of Software Engineering

In this module, you will develop new knowledge and skills in Software Engineering, apply them, and critically analyse the implementation and recommend potential future improvements. Such knowledge and skills are particularly beneficial for a career in roles where you are required to architect, develop and deliver complex software systems from agreed specifications by employing industry-standard conventions and tools.

### Database and Analytics Principles

In this module, you will develop new knowledge and skills in data analytics, apply them in your own context, critically

analyse the implementation and recommend potential future improvements. Such knowledge and skills are particularly beneficial for a career in areas such as business analytics, business intelligence, data analytics and data science.

## Innovations in Business and Technology

In this module, you will develop new knowledge and skills in Managing Technology Innovation, apply them and critically analyse how innovation in its various forms affect business competitiveness and recommend potential future improvements. This module prepares technologists and specialists to be innovators within their own organisation, enabling them to contribute or lead future internal transformation or entrepreneurial initiatives.

## Research Methods for Professional Practice

This module is designed to ensure you have the skills and knowledge to complete a postgraduate research project which is relevant to Computing and Technology and career or future aspirations. As such, in the early part of your studies, you will work closely with careers and professional development specialists to consider your career or future learning opportunities post completion of your degree. You will subsequently develop a career plan and reflective log considering how your learning from the programme can accelerate the achievement of this plan.

## Academic Language Skills for Computer and Information Sciences (0 credits)

The aim of this module is to support your study, language and communication skills for academic purposes in the study in your chosen discipline. The module is designed to enable you to become an independent learner. The module is supported by a teaching and learning plan which outlines the formal sessions, together with the tutor-directed study and independent reading. Interactive seminars will be tailored to address some of the specific issues that you meet within your discipline. Directed learning will require a range of activities including pre-reading, preparation for interactive activities and use of the e-learning platform. You will be expected to identify those skills which you need within your programme, and to develop these independently through a range of learning activities that might include extended reading and reflection.

## MSc Computing and Digital Technologies Project (60 credits)

The aim of this module is to enable you to undertake a substantial academic research project at Masters level and present the results from this work in both written and oral forms. Your project itself will be a major piece of independent and original research centred at the forefront of your programme discipline within the wider sphere of the computer science and digital technologies field.

You will experience the full life cycle of a research project from initial conception and development of a research proposal, through a critical review of the literature, planning, design, implementation and analysis of your main research project, to final evaluation, reflection and dissemination. You will be expected to consider and address the professional, ethical, legal and social issues related to this academic research project. You will also be expected to apply your expertise, project management and practical skills within your particular domain of computer science and digital technologies and demonstrate critical and innovative thinking and problem-solving within a research environment.

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The course information displayed on this page is correct for the academic year 2023/24. We aim to run the course as advertised however, changes may be necessary due to updates to the curriculum (due to academic or industry developments), student demand or UK compliance reasons.

## Fees and finance

### Tuition fees 2024/25:

- £10,460

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.

### 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.

## Payment plans

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

Please note that self-funded students are required to pay a deposit of £2,450.

## Scholarships

For more information on scholarship opportunities, please [contact us](#) today.

## Government Loan for Masters study

If you are a UK/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.

[Payment plans and PGL](#)

## Early Application Discounts

Our Early Application Discount is awarded to you when you submit your application and holding deposit, before the deadlines specified on our **dates and fees page**. The discount is applied to your remaining fees after you pay your full deposit. This discount cannot be used in conjunction with any other offer – please contact us for more details on eligibility.

[Enquire now](#)

## How to apply or find out more

### 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 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.

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](#).