Northumbria University (London)

MSc Artificial Intelligence Technology

Study details

Course type: Master's degree
Degree: MSc Artificial Intelligence Technology
Study mode: Full time
Duration: 12 Month

Cost of study

Cost : 19 750 GBP
Reg. fee : N/A GBP
Scolarship :
Insurance : N/A GBP

Intake/s

Jan/May/Sep

Requirements

Academic requirements

- Minimum 2:2 (second class) honours degree from a UK university or equivalent
- Professional qualifications with equivalent standing which had a significant requirement for academic study may also be considered
- Bachelor Degree (4 Years)
- GPA of around 2.75/4.0 for courses requiring a UK 2:2 equivalent

- CGPA 3.2/4 or 4.0/5 for courses requiring a 2:1 equivalent

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

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able to advise you.

Accommodation

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.

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.

Additional information

Overview

Artificial Intelligence solutions become an inseparable part of our lives, driving demand on the job market for AI specialists. Gartner included AI in its top strategic technology trends for 2021; according to Forbes, 84% of global business organisations believe that AI will give them a competitive advantage.

MSc Artificial Intelligence Technology programme is focused on developing your abilities as a digital leader, capable of identifying and implementing technical solutions to deliver future improvements to your organisation.

Key facts

• Develop in-demand skills to work in a range of roles in the IT industry

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- Train and deploy distributed machine learning modules using cloud-based platforms such as Google Cloud or AWS
- This programme has been designed to meet the accreditation criteria of BCS, the Chartered Institute for IT for the purposes of meeting the academic requirement for registration as a Chartered IT Professional
- The Advanced Practice option includes an Internship or Group Consultancy Project, enhancing your employability with all-important work experience
- Upon completion of your programme, you will be eligible for the QA Professional Pathways programmes which will enable you to further develop your skills with one of the UK's largest providers of IT and project management training

What will I study?

To accelerate your learning, you will be exposed to theories and principles relating to the design, development and testing of software using AI. Students will learn programming with R and how to conceptualise software requirements into software architectural patterns.

Students will get insight into IoT peripherals, IoT data analytics and an overall grasp of how to incorporate local machine learning (ML) using Python Programming.

You will also be exposed to the fundamental concepts, principles, technologies, and techniques to train and deploy distributed machine learning models using a cloud-based platform such as Google Cloud or AWS. You will be able to apply this knowledge and skills in your context, and critically analyse the implementation and make recommendations for future improvements. You will additionally develop an understanding of the typology of innovation, how firms leverage internal and external resources to compete in the digital environment, and how to plan for innovation in any organisation.

How will I be taught and assessed?

- Teaching is delivered through lectures, workshops and tutorials totalling between **10-13 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 will be equipped with in-demand skills to work in a range of roles in the IT industry. Graduates can also progress to academic or research-orientated careers.

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The qualification aims to accelerate your skills and competence in a range of job roles, including roles in leadership and management in IT as well as titles such as:

- Software Engineer
- Database Developer
- AI Data Analyst
- Information Security Professional
- Business Analyst
- AI Engineer
- Machine Learning Engineer
- Technologist – Artificial Intelligence

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