



# MSc Responsible Artificial Intelligence

Northeastern University  
London

New College of  
the Humanities



### Award

LLB (Hons) Law with International Legal Studies (Senior Status)

### Degree Awarding Body

Northeastern University London

### Location

St Katharine Docks, London

### Study mode

Full-time (FT) or part-time (PT)

### Duration

One year (FT) or two years (PT)

### Start date

6th September 2023

### Annual tuition fees

Home: £11,000 (FT), £5,500 (PT)

International:

£14,000 (FT), £7,000 (PT)

### Entry Requirements

Upper second-class honours degree or above (US GPA 3.0) or equivalent English language proficiency: IELTS 6.5 (6.0 in each band) or equivalent

## Overview

The field of Artificial Intelligence (AI) is expanding exponentially as a result of technological advances in software, hardware, and algorithmic techniques. As a result, there is an emerging need for these technologies to be further informed by ethical and political considerations.

In a world where AI prevails, organisations will increasingly require graduates who combine expertise in the development and implementation of machine learning applications with a keen understanding of societal and ethical considerations, and the ability to communicate.

The MSc Responsible Artificial Intelligence addresses this need for interdisciplinary engagement by teaching students the computational and programming techniques that underpin contemporary AI, while providing a philosophical grounding in the field.

### Courses

- Programming with Data
- Discrete Structures
- AI & Data Ethics
- Foundations of Data Science
- Object-oriented Design
- Minds & Machines OR Technology & Human Values
- Principles of Machine Learning
- Natural Language Processing with Deep Learning
- MSc Dissertation Project

The courses that run in each academic year are subject to change in line with faculty availability and student demand so there is no guarantee every course will be delivered.

## Key Features

- This programme can function as a conversion Masters and requires no academic background in Philosophy or Computing.
- Comprises eight courses of which six develop skills in Computer and Data Science and two explore ethical and philosophical considerations, culminating with the creation of a data driven dissertation.
- Students will learn and practice a variety of programming functions using Python, NumPy, and Pandas, applying the concepts of data science, program design, machine learning and natural language processing.
- Develops strong understanding of data science techniques that underpin advances in machine learning and natural language processing.
- Builds a critical and practical understanding of how philosophical thought is beneficial to the development of AI and the ethical use of data.
- Produces graduates who are proficient in designing and implementing data-driven and machine learning applications, using state of the art software, techniques and algorithms.
- Assessed through programming assignments, projects and a dissertation. Students are also encouraged to create an online portfolio to showcase their skills and interest to support their career aspirations.
- Offers the opportunity to stay and work in the UK for up to two years after graduation via the Graduate Route Post Study Work Visa.



## Career Outcomes

The MSc Responsible Artificial Intelligence is designed to produce graduates who are equipped to succeed in cross-functional roles increasingly required by the technology and public sector worldwide.

In addition to their degree students, students of the MSc Responsible Artificial Intelligence have access to personalized guidance to help clarify and create practical plans to achieve career aspirations. In addition, they enjoy opportunities to network with our partner-employers in the technology and public sector, while studying just minutes from both London's Central Business District and East London Tech City.



**NU London is part of Northeastern University's Global Campus Network which also comprises campuses in Boston, Charlotte, San Francisco, Seattle, Silicon Valley, Toronto and Vancouver.**

**As part of Northeastern University's Global Campus Network, NU London has a global outlook which offers students exciting networking opportunities and experiences. Students also benefit from a wide range of resources, including journals, ebooks and databases, shared across campuses.**

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This document is prepared ahead of the academic period to which it relates to provide potential students with an overview of the programmes for which they are applying. As a result, there may be infrequent occasions when the University is unable to offer individual courses, degree programmes, or services described herein. Furthermore, the University reserves the right to withdraw individual courses or degree programmes where there is an insufficient number of applications or confirmed students to make the course viable. On such occasions, students will be informed of changes within a reasonable timescale and another individual course or degree programme will be offered, which will have equal academic benefit to the course or degree programme originally described.

From time to time, individual faculty members may stop teaching at the University. In such instances, the University will undertake reasonable endeavours to ensure that students are taught by another academic with an appropriate level of qualification, research interests, and experience.



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