MSc Artificial Intelligence & Data Science

Northeastern University
London

Overview

The MSc Artificial Intelligence & Data Science programme is designed to support the career development of AI and data science professionals by providing graduates with the knowledge, skills and experience that are required by businesses and organisations in the technology sector.

By studying this programme, you will gain an in-depth understanding of the statistical and mathematical foundations of AI and achieve advanced practical knowledge of AI and machine learning methodologies applied to complex datasets to meet business objectives.

Courses

- Programming for Data Science
- Data Driven Analytics
- Advanced Statistical and Mathematical Methods
- Applied Machine Intelligence
- Stakeholders, Negotiation and Project Management
- Communication in Business

- Data Engineering
- The Social Context of Artificial Intelligence and Data Science
- Artificial Intelligence Capstone 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.

Career Outcomes

The MSc Artificial Intelligence & Data Science is designed to produce graduates who are well equipped to succeed in roles that collaborate with, and provide insight to, a diverse business community of Senior Leaders, Data Scientists, Data Engineers, Statisticians, Analysts, Research and Development Scientists and Academics.

From finance to healthcare, graduates of the MSc Artificial Intelligence & Data Science acquire skills that are desired by a wide range of sectors, including both public and private sector organisations.

Curriculum content and course order is subject to change

Key Features

- The MSc Artificial Intelligence & Data Science provides a pathway for those aspiring to further their career in the advanced application of artificial intelligence and data specialisms.
- Flexible online learning allows students to learn at their own pace and provides the opportunity to study the masters alongside a job.
- Provides students with the skills that will help them progress into higher-skilled occupations.
- Provides students with the opportunity to gain coding experience in Python and to undertake assignments that use data science to solve problems.
- Offers the opportunity to gain professional skills, status and accreditation that will help to progress a career from the first day of study.

Entry Requirements

Offers are typically made to applicants holding a minimum of lower second-class honours undergraduate degree (or equivalent) in a STEM discipline. Please note that GCSE Grades 4 or C in English and Mathematics, or the equivalent, are required for the MSc Artificial Intelligence & Data Science. Applicants should be confident in Python in a data setting and have an awareness of machine learning (i.e. logistic or linear regression). Knowledge of the following packages is also required:

- IDE's – PyCharm, Eclipse
- Jupyter Notebook
- Pandas
- Matplotlib
- NumPy

- Seaborn
- Unittest
- Databases
- sklearn

Each applicant will be assessed on an individual basis through their application, a reference, a personal statement and an interview.

Award
MSc Artificial Intelligence & Data Science

Degree Awarding Body
Northeastern University London

Location
Remote online learning

Study mode
Part-time

Duration
21 months

Start date
3rd April 2023
9th October 2023
15th January 2024

Total tuition fees
£10,500

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NU London is situated a few minutes from the City, London's Central Business District and East London Tech City. The area is home to the Stock Exchange and the Bank of England, as well as finance and commerce sectors, the law profession, cultural organisations, creative industries, tech companies and start-ups.

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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