UWE Bristol

LEARN AI TODAY.
LEAD TOMORROW.

AI is transforming every industry...but not everyone is ready to harness it.

From healthcare to finance, manufacturing to the creative arts; AI is driving innovation everywhere. **The challenge?** Most organisations face a shortage of professionals with the expertise to fully leverage these technologies.

The opportunity: The MSc Artificial Intelligence (online) at UWE Bristol is built for ambitious professionals looking to lead in this field. You'll cover everything from machine learning and neural networks to big data and intelligent search, then put it all into practice with an applied project. All of this is delivered in a 100% online format that fits around your life and career.

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MSc Artificial Intelligence (online)
Prospectus 2025/26

A growing demand

The demand for skilled AI professionals has never been higher.

Artificial intelligence is reshaping every industry. Organisations need professionals who understand data, algorithms, and ethics to drive intelligent solutions, optimise performance, and enable innovation.

Machine Learning Engineer

Design, train, and deploy predictive models to power intelligent systems and business decision-making.

Data Scientist

Transform complex data into actionable insights using AI, statistical analysis, and data visualisation.

AI Research Scientist

Advance the field of artificial intelligence through research in deep learning, natural language processing, and computer vision.

AI Solutions Architect

Bridge technical and business needs by designing scalable, ethical, and efficient AI-driven systems.

Business Intelligence Analyst

Leverage data and AI tools to uncover trends, optimise performance, and guide strategic decisions.

Automation and Robotics Specialist

Develop intelligent automation systems that enhance efficiency, safety, and innovation in industry.

Ethical AI or Policy Advisor

Shape responsible AI use by developing frameworks and policies that promote fairness, accountability, and transparency.

Data and AI Consultant

Guide organisations in adopting AI technologies and data-driven strategies for competitive advantage.

Questions about your potential career prospects?
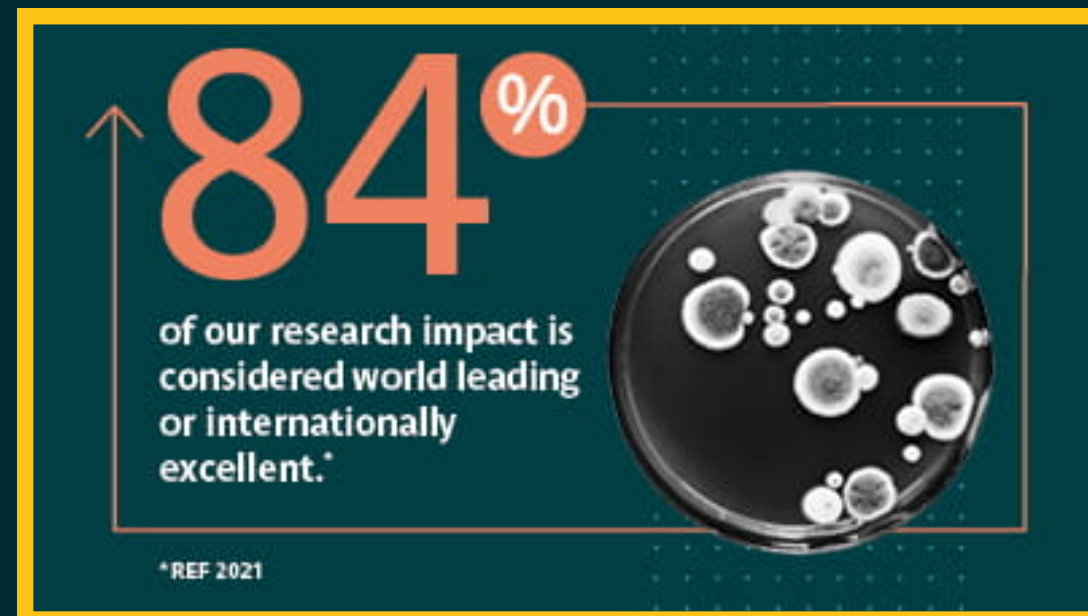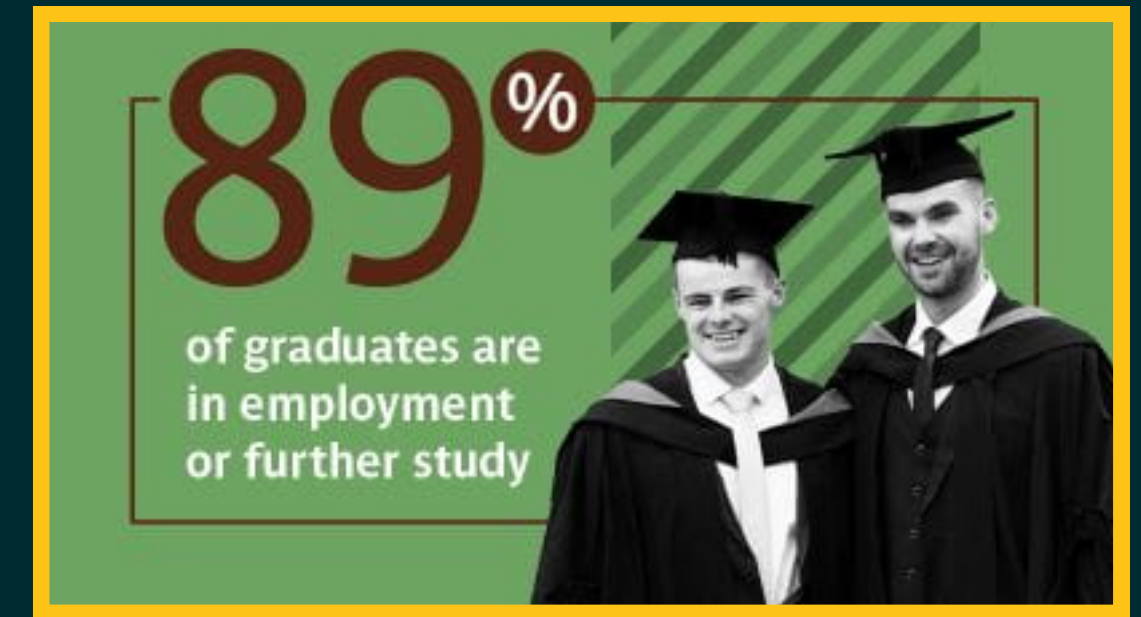Book a meeting with our Enrolment Success Team!

Why UWE Bristol?

UWE Bristol logo

Time to power up your skills

UWE Bristol is a thriving, modern university with a rich history of academic excellence and a strong reputation for producing **highly employable graduates**. We are proud to hold a **Gold rating for student experience** in the Teaching Excellence Framework (TEF).

Delivered by the CATE School of Computing and Creative Technologies, College of Arts, Technology and Environment, this MSc equips you with real-world insight and future-focused capabilities. The school works in close partnership with industry, ensuring your education reflects current project leadership needs.

You'll benefit from UWE Bristol's experience in high-impact, online delivery, supported by research-led teaching and strong industry connections.

TEF 2023 Teaching Excellence Framework

GOLD Outstanding student experience

Rated Silver as an overall score for achieving very high-quality student outcomes

89% of graduates are in employment or further study

84% of our research impact is considered world leading or internationally excellent.*

*REF 2021

TOP 10 MODERN UNIVERSITY Sunday Times Good University Guide, 2026.

Who is this programme for?

This MSc is designed for busy professionals worldwide who want to harness AI to advance their careers. It's ideal if you are:

An experienced tech professional (e.g. software developer, engineer, IT consultant) looking to deepen your expertise in AI and step up into specialist or leadership roles.

A professional in any sector (finance, healthcare, government, marketing, education) who sees the power of AI and wants to leverage data and automation to drive innovation in your field.

A career changer with a background in science, technology or data-driven roles, ready to pivot into the high-demand world of AI and machine learning.

For professionals earning this degree, the opportunities are vast. You could progress into specialist roles such as Machine Learning Engineer or Data Scientist, lead AI-driven projects in your current industry, or become the go-to AI expert within your organisation. The skills and credibility you gain will help fast-track your path to leadership in the AI-powered economy.

Programme structure

Your path to mastering Artificial Intelligence and innovation

UWE Bristol

The UWE Bristol MSc Artificial Intelligence (online) is a two-year, part-time programme designed to integrate with your professional commitments. Combining structured theory with practical application, it equips you to harness data, design intelligent systems, and apply machine learning solutions across industries.

Core Modules: Building your Artificial Intelligence toolkit

Each module builds on the next, giving you a structured and comprehensive learning experience across key areas including: machine learning, big data, neural networks, statistical inference, intelligent systems, and data visualisation.

Apply your knowledge: Your final project

In your final year, you'll complete a 60-credit Master's Project focused on a real-world AI challenge. You'll design and conduct independent research aligned with your professional goals, applying advanced AI techniques to deliver measurable, impactful outcomes.

Are you a suitable candidate?

Take our questionnaire to find out if you are eligible to study on one of our online postgraduate degree courses.

**Eligibility test   >**

CORE MODULES

Build expertise in Artificial Intelligence, data science, and intelligent systems. Explore machine learning, neural networks, big data analytics, and decision intelligence through real-world applications. Each module is 15 credits, with the final Master's Project worth 60 credits.

Statistical Inference

15 credits

Develop a strong foundation in statistical reasoning and data analysis. Learn how to collect, interpret and model data to make informed decisions under uncertainty. Explore probability theory, estimation, and hypothesis testing to support data-driven artificial intelligence applications.
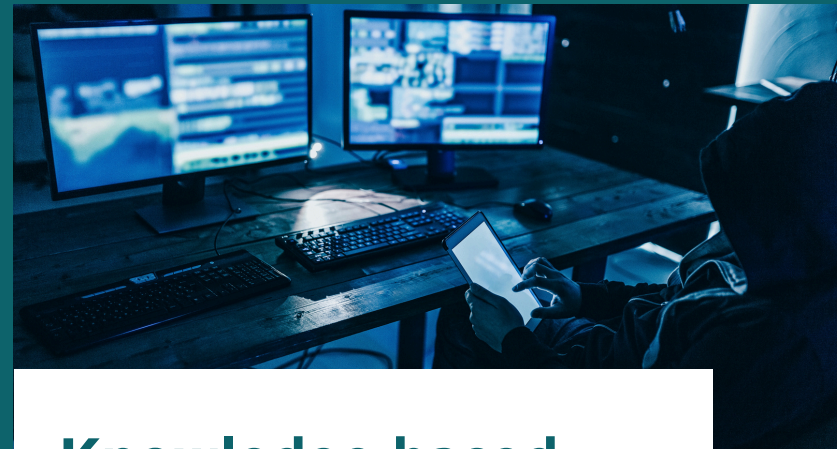
Knowledge-based and Hybrid Systems

15 credits

Discover how machines reason and make decisions. Combine symbolic AI with machine learning to create hybrid systems that integrate logic, rules, and data-driven intelligence.

Foundations of Machine Learning

15 credits

Build the core knowledge every AI professional needs. Learn key algorithms, model evaluation, and optimisation techniques while exploring supervised and unsupervised learning methods applied to real-world data.

Artificial Neural Network

15 credits

Understand how machines learn from complex data. Explore neural network design, backpropagation, and deep learning architectures used in image recognition, natural language processing, and predictive analytics.

CORE MODULES

This 180-credit programme includes eight core modules (15 credits each) and a 60-credit Master's Project. Each module lasts about eight weeks, building your skills in AI, machine learning, and data innovation.

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Business Intelligence and Data Visualisation

15 credits

Turn data into actionable insights. Learn to design effective dashboards and visualisations while mastering analytical techniques that inform strategic business and AI decisions.

AI for Search and Optimisation

15 credits

Explore how intelligent systems solve complex problems. Learn search algorithms, optimisation strategies, and metaheuristic approaches that drive innovation in robotics, logistics, and autonomous systems.

Big Data

15 credits

Work confidently with large-scale data. Gain practical skills in data processing, storage, and analysis using modern big data tools and frameworks to support AI development at scale.
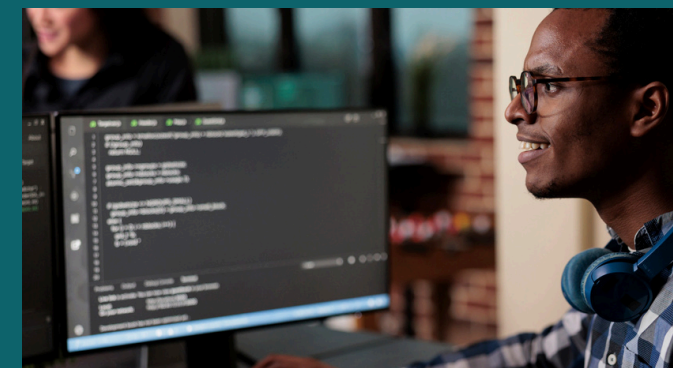
Machine Learning for Language and Vision

15 credits

Dive into AI applications that power innovation. Explore how machines understand images and text through advanced models in computer vision and natural language processing.

Master's Project

60 credits

Design and deliver an independent project that applies AI to solve meaningful problems in business, society or technology, addressing a real-world AI challenge with support from expert academic supervision.

Meet your programme leader

Dr Haixia Liu

Qualifications: BSc; MSc; PhD; FHEA; PGCert

Position: Lecturer in Computer Science

Dr Haixia Liu brings a unique blend of academic excellence and industry experience to the MSc Artificial Intelligence (online). Before joining UWE Bristol, she worked as a Machine Learning Engineer and Software Engineer, applying AI in real-world environments.

Her research explores the frontiers of Artificial Intelligence, Machine Learning, and Computational Creativity. She was awarded the Vice-Chancellor's Early Career Researcher Development Award (2023–2025) and leads funded research projects in AI-driven design and sustainable development using machine learning and sensor technologies.

At UWE, Dr Liu leads the Machine Learning Algorithms module and supervises MSc, undergraduate, and PhD research projects in AI, robotics, and data science. Her academic portfolio includes teaching business intelligence, intelligent systems, biocomputation, and computer architecture.

Skills development with real-world impact

Build intelligent systems that shape the future

UWE Bristol

Machine Learning and Data Modelling

Master algorithms and data-driven methods that power predictive and adaptive systems.

Neural Networks and Deep Learning

Design and train advanced AI models for language, vision, and automation applications.

Big Data and Analytics

Develop the ability to handle, process, and interpret large, complex data sets efficiently.

Programming and Problem Solving

Enhance your technical fluency in building intelligent solutions to real-world challenges.

Ethics and Responsible AI

Explore fairness, accountability, and transparency in AI to create systems that benefit society.

Applied AI Innovation

Translate theory into practice through projects that deliver measurable impact across industries.

The Virtual Learning Environment (VLE)

Your digital campus, your global classroom

At UWE Bristol, we've created a dynamic and engaging virtual learning environment (VLE) that brings the classroom to you, wherever you are in the world. Our VLE, powered by Blackboard Ultra, is designed to facilitate seamless online learning, collaboration, and connection.

Blackboard Ultra: Your learning hub

Blackboard Ultra is more than just a platform; it's your personalised learning hub. Access programme materials, engage in discussions, submit assignments, and connect with your peers and instructors, all in one convenient location. With features like:

Interactive content: Engage with multimedia learning materials, including videos and quizzes.

Discussion forums: Share ideas, ask questions, and collaborate with your peers in a vibrant online community.

24/7 access: Study at your own pace, anytime and anywhere, from any device.

Collaborative learning

Artificial Intelligence is a multidisciplinary effort. Learn alongside professionals from diverse industries and countries, bringing unique perspectives to shared challenges. Through case studies and collaborative discussions, you'll test algorithms, models, and ethical frameworks against real-world practice to gain deeper insight and understanding.

Case study approach: merging theory and practice

From finance to healthcare, you'll analyse real-world AI applications and data-driven projects. This applied learning approach helps you translate theory into tangible outcomes and prepares you to lead in fast-evolving, technology-rich environments.

Your academic journey is supported every step of the way, ensuring an engaging and empowering online experience designed to help you achieve your professional and learning goals.
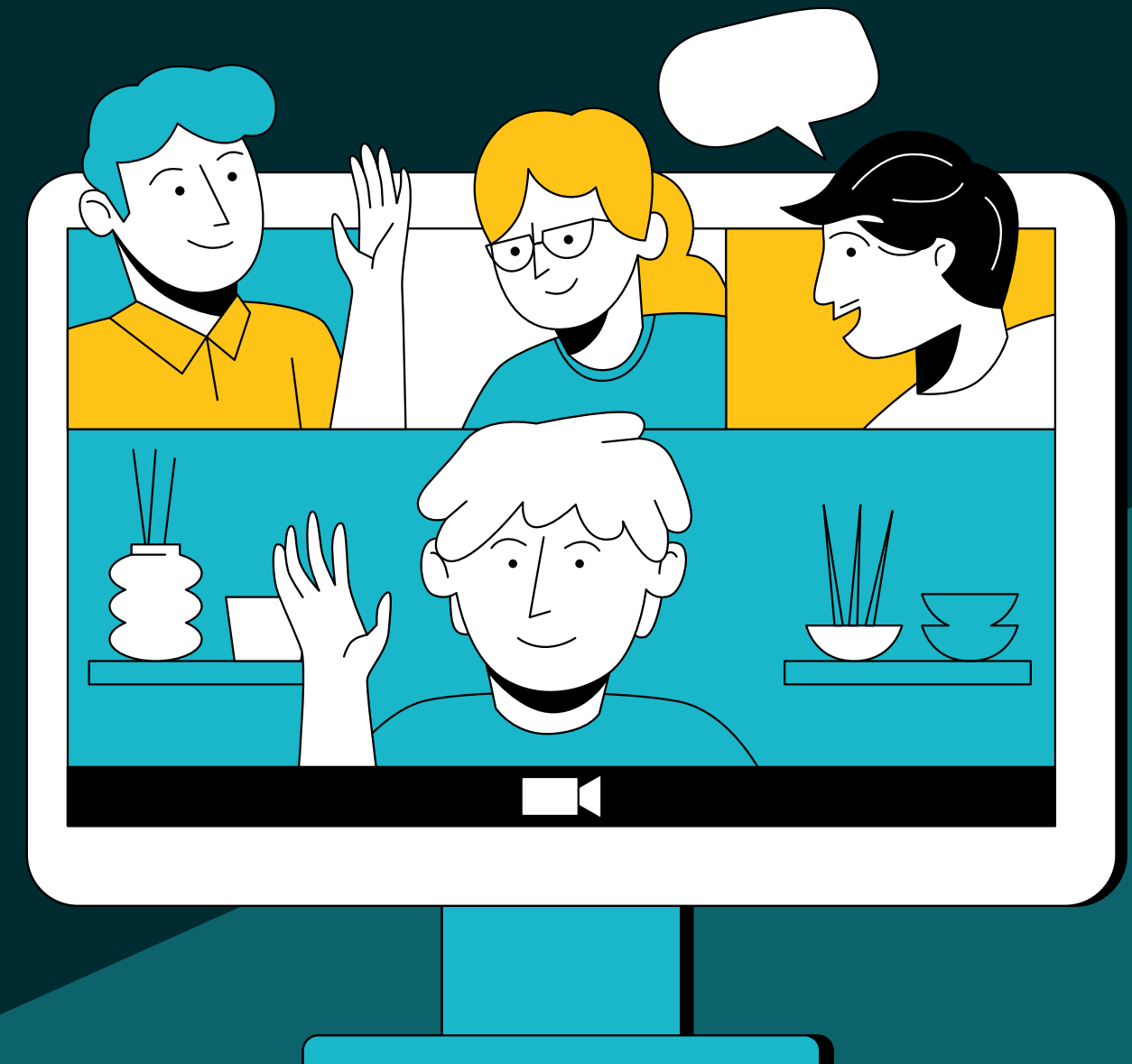
Future-proof your career with AI

UWE Bristol

Flexible Online Learning

Study 100% online and part-time from anywhere, so you can balance this MSc with your job and life. Apply new knowledge in real time and advance your career without taking a break from it.

Cutting-edge Curriculum

Gain expertise in the latest AI technologies, including machine learning, neural networks, big data, natural language processing and computer vision. Graduate with a technical toolkit ready to develop innovative AI solutions.

Expert Support and Network

Learn directly from UWE Bristol's expert faculty and industry practitioners while networking with peers worldwide. Graduate with a respected UK Master's degree and a professional network to propel your career forward.

Real-world Focus

Work on hands-on projects and case studies based on real business challenges. Build practical experience with AI tools and techniques, so you're prepared to deliver tangible results from day one.

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Diet of the day

Nutritional information

Milk 100g

Protein............... 3.15
Total fat............. 3.25
Carbohydrates..... 4.8
Calcium.............. 113
Iron.................... 0.03

Local Weather

MONDAY
22°C

MONDAY
TUESDAY
WEDNESDAY
THURSDAY
FRIDAY

News of the day

5 vacation travel tips
We've prepared the best tips for your...

The importance of hydrating
Drinking water during exercise is...

"Global GDP could be up to 14% higher in 2030 as a result of AI"

AI Analysis Sizing the Prize Report

PwC

Assessment methods

The MSc Artificial Intelligence (online) programme utilises a variety of assessment techniques to evaluate your comprehension and practical application of course material. These include:

- **Written assignments –** Apply AI theory to practice through analytical reports and reflective essays.

- **Presentations –** Communicate technical insights and project outcomes with clarity and confidence.

- **Group tasks –** Collaborate on AI-focused projects and build teamwork skills through online interaction.

- **Simulations and case studies –** Tackle real-world AI problems using data-driven and ethical frameworks.

- **Capstone project –** Conduct independent research or develop an applied AI solution to a real-world challenge.

Entry requirements

To be considered for the MSc Artificial Intelligence (online) programme, you should have **a minimum of a 2:2 Honours degree** or equivalent.

If you do not meet the above requirements but have **a minimum of 12-months relevant professional experience** and/or equivalent qualifications, we recommend that you apply. All applications are reviewed on a case-by-case basis.

English language requirement

If English is not your first language, you'll be required to meet the University's minimum English language requirements, such as the International English Language Test (IELTS) with an overall score of 6.5 with 5.5 in each component.

*The university accepts a large number of UK and International qualifications in place of IELTS. To find details of acceptable tests and the required grades, please visit our English Language Requirements pages.

Exemption from the English language requirement

A Proof of English Language Proficiency (POE) exemption may be offered to you if you meet one of the following criteria:

- Completed at least three years of high school in an English-speaking country
- Completed an International Baccalaureate (IB) Diploma in English
- Completed an IB diploma in a different language if they obtained a grade of 5 or higher for one of the English courses
- Completed a higher educational or professional qualification in English
- Working in an English-speaking environment and demonstrably working in English
- Passing a Duolingo test

Tuition fees

The fee for this programme is £7,950. You pay £795 per module and £1590 for the final project.

Fees are paid on a modular basis over the duration of the two-year course. The balance for the current module needs to be paid before being able to register for the next module. For your convenience, invoices will be issued as near as possible to the start of each module. UK students pay by credit or debit and international students through our official online payment partner, Flywire.

Scholarships and financial aid

UK (home) students may be eligible for UK postgraduate student loan assistance. Students who receive this funding need to complete the course within two years, otherwise payments will be interrupted or stopped. Find out more about postgraduate funding.

We are committed to supporting individuals in pursuing their studies. Please consult with the Enrolment Success Team for the latest information on tuition fees.

UK-based students may be entitled to a Postgraduate Master's Loan: gov.uk/masters-loan.

Tips for a strong application

By following these tips and submitting a well-prepared application, you'll increase your chances of being accepted into the MSc Artificial Intelligence (online) programme.

Personal statement: Craft a compelling 300-500 word personal statement or 4-5 minute video presentation that highlights your interest, experience and career aspirations.

CV/resume: Ensure your CV/resume or LinkedIn profile is up-to-date and showcases your skills and experience.

Our MSc Artificial Intelligence offers a flexible path to career advancement. Gain in-demand knowledge and skills from the comfort of your home.

Apply today >

UWE Bristol

"We're all about equipping people for great careers. These courses are not just about the knowledge that students will leave us with but also about the skills, capabilities and the mindset that they need to lead in those industries for the future."

Jo Midgley, Deputy Vice-Chancellor and Registrar, UWE Bristol