



# ARTIFICIAL INTELLIGENCE

**we are the original redbrick**

The University of Liverpool works with partner, Kaplan Higher Education Hong Kong, to process applications and admissions.

# ARTIFICIAL

# INTELLIGENCE

## Programme overview

---

**Study mode:** Online and part-time

**Qualification:** MSc / PG Dip / PG Cert Artificial Intelligence

**Indicative programme duration:** 24 months / 16 months / 8 months

*The study duration of this programme is currently subject to change and final validation.*

**Accreditation(s):** The programme is accredited by the BCS, The Chartered Institute for IT, for the purposes of meeting the further learning academic requirement for registration as a Chartered IT Professional.

**Entry requirements:** Applicants should possess either:

- A degree in computer science or a closely related subject, equivalent to a 2:2 UK bachelor's degree, coupled with two years' relevant IT professional experience; or
- Professional work experience in IT or a related field and/or other prior qualifications, which will be considered on a case-by-case basis.

All applicants must provide evidence that they have an English language ability equivalent to an IELTS (academic) score of 6.5 overall (5.5 in all components).

Applications from under-represented groups within the Computer Science/IT industry will be particularly welcome.

## Teaching and assessment

---

The programme is delivered using the latest and most innovative online teaching techniques and includes a range of interesting and thought-provoking activities and exercises. Core information is developed by subject-leading experts in the field and closely aligned with both industry and academic best practice, underpinned by rigorous theoretical and relevant topics, examples and cases. Leading-edge materials are supported by specially trained tutors, who are not only professionals in the discipline, but who have an exceptional knowledge of supporting online students. Teaching activities consist of specially designed lecturecasts, carefully curated reading lists, and asynchronous discussions to enhance peer-to-peer learning opportunities.

Assessment is by coursework only – there are no examinations. Assessments align with the University of Liverpool commitment to have relevant, authentic and varied activities and are designed to lead directly to enhanced professional and personal objectives as well as being appropriate to the academic discipline.

\*The indicative study duration is a guide to how long your course will take to complete. The actual duration may vary depending on study options chosen and module availability.

**Ready to apply?** Please complete our online application form to apply to study this programme.

# ARTIFICIAL

# INTELLIGENCE

## What will I study?

---

This programme consists of the following modules. You are required to complete 180 credits to achieve a full Master of Science, 120 credits to achieve the postgraduate diploma (PG Dip), and 60 to achieve the postgraduate certificate (PG Cert).

	MSc	PGDip	PGCert
Global Trends in Computer Science (15 credits)	*	*	*
Machine Learning in Practice (15 credits)	*	*	*
Multi-Agent Systems (15 credits)	*	*	*
Robotics (15 credits)	*	*	*
Choose one elective module from (15 credits): Deep Learning Data Visualisation and Warehousing Cloud Computing Security Risk Management Information Technology Leadership Strategic Technology Management Technology Innovation and Change Management	*	*	
Reasoning and Intelligent Systems (15 credits)	*	*	
Natural Language Processing and Understanding (15 credits)	*	*	
Research Methods in Computer Science (15 credits)	*	*	
Computer Science Capstone Project (60 credits)	*		



# PROGRAMME STRUCTURE

<b>Module code</b>	CSCK501	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# GLOBAL TRENDS IN COMPUTER SCIENCE

## Module aims

This module aims to:

- Familiarise students with the online classroom environment and allow them to explore current practice in computer science and information technology by sharing their global perspectives and experiences in discussion forums.
- Provide a comprehensive and holistic introduction to current trends in computer science, such as enterprise systems management, data protection and big data analytics, cyber security, pervasive computing, sustainable technology and risk management.
- Highlight the global, integrative and collaborative nature of the information technology industry, whilst allowing students to explore the relevance and impact of their unique regional contexts through critical discussion and group work.
- Allow students to explore and critically debate the use of information technology in an enterprise setting, the best way to make decisions regarding technology, and the management and administration needs of an organisation.

## Learning outcomes

Students will be able to:

- Contribute to an academic community via the use of an online classroom and discussion forum, whilst demonstrating a commitment to lifelong learning, academic integrity and an understanding of the academic writing style.
- Produce an artefact that involves searching for, assimilating and analysing relevant scholarly resources, reflecting a range of viewpoints with original thought and commentary, and demonstrating digital fluency with search tools and presentation software.
- Demonstrate a critical understanding of current trends in computer science, and an appreciation of how information technology can be used to support business processes and add value to global enterprises.
- Articulate the legal, social, ethical and professional issues related to developing and using information systems and modern technology solutions, demonstrate professionalism, and follow relevant professional codes of practice.

## Syllabus

- Trends in computer science
- Information technology
- Data and risk management
- Cyber security
- Green computing
- Internet of things and smart cities
- Big data analytics
- Real-time, high integrity and embedded systems

MSc / PG Dip / PG Cert

<b>Module code</b>	CSC503	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# MACHINE LEARNING IN PRACTICE

---

## Module aims

---

This module aims to:

- Provide an in-depth understanding of established techniques of machine learning, its real-world application and the legal contexts in which machine learning operates.
- Provide students with comprehensive knowledge of the nature of data and the mechanism that may be used to pre-process data to support machine learning activities.
- Establish a comprehensive and practical awareness of the techniques and metrics used to evaluate machine learning algorithms.
- Furnish students with an in-depth and critical knowledge of a range of established approaches to machine learning, including their statistical and mathematical underpinning.
- Provide a wide-ranging practical knowledge of an established machine learning workbench.

## Syllabus

---

- Machine learning fundamentals
- Data preprocessing
- Dimensionality reduction
- Linear regression
- Classification
- Decision trees
- Association rule mining
- Clustering

## Learning outcomes

---

Students will be able to:

- Demonstrate a well-founded and comprehensive knowledge of the operation of a widely used machine learning workbench.
- Demonstrate a comprehensive and systematic understanding of the legal frameworks in which machine learning operates.
- Deploy effectively a variety of tools and techniques within the remit of machine learning.
- Demonstrate a deep and systematic understanding of the limitations of a range of machine learning techniques and how the effectiveness of individual techniques can be analysed.

<b>Module code</b>	CSC504	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# MULTI-AGENT SYSTEMS

---

## Module aims

---

This module aims to:

- Provide students with a thorough and comprehensive understanding of the computer science domain of multi-agent systems.
- Enable students to critically evaluate current theories and methods in multi-agent system design and their application to a wide variety of contexts.
- Equip students with technical knowledge and skills to develop and deploy multi-agent system solutions to solve real world problems.

## Learning outcomes

---

Students will be able to:

- Demonstrate an in-depth understanding of the area of multi-agent systems, their theoretical underpinning and practical applications.
- Demonstrate a comprehensive understanding of the difference between the multi-agent paradigm and the more conventional approaches to complex systems design.
- Analyse real world problems for which a multi-agent system approach is appropriate, and formulate a solution.
- Critically evaluate and deploy software tools and skills for the implementation of multi-agent systems.

## Syllabus

---

- Agents, objects and expert systems
- Reasoning, reactive, layered and hybrid agents
- Methods for designing agent-oriented analysis
- Speech, languages (KQML, FIPA) for agent communication
- Ontologies and description logistics for languages, i.e. XML
- Coalitions, co-operative and adversarial interaction in multi-agent decision making
- Voting, auctions, argumentation and negotiating and bargaining
- Criteria and exemplars for multi-agent system solutions

<b>Module code</b>	CSC505	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# ROBOTICS

---

## Module aims

---

This module aims to:

- Introduce students to the key issues surrounding the development of robots and robot control.
- Provide students with a deep and systematic understanding of a wide range of current topics in the field of robot control.
- Allow students to experiment with techniques central to the operation of robots using a simulated environment.
- Enable students to implement robotic control solutions to commercial challenges.
- Provide students with a deep understanding of the legal and ethical frameworks in which robots operate.

## Syllabus

---

- Introduction to robotics
- Behaviour based robots
- Belief systems and Bayesian filters
- Sensors
- Mobile robots
- Maps and mapping
- Localisation
- Robot Arms

## Learning outcomes

---

Students will be able to:

- Demonstrate a deep and systematic understanding of robot systems and their application.
- Demonstrate a critical and comprehensive insight into a range of topics central to the field of robotics.
- Implement robot solutions using a range of tools and techniques.
- Demonstrate a comprehensive awareness of the legal and ethical setting in which robotic systems operate.

<b>Module code</b>	CSC506	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# DEEP LEARNING

---

## Module aims

---

This module aims to:

- Provide a theoretical understanding of modern deep learning.
- Provide a critical understanding of the practical application of deep learning in the modern workplace.
- Provide a deep insight into the usage of current deep learning libraries.

## Learning outcomes

---

Students will be able to:

- Demonstrate a comprehensive understanding of the nature of deep learning in the context of modern computing capabilities.
- Demonstrate a systematic understanding of mathematical foundations and algorithmic principles of deep learning.
- Demonstrate a critical understanding of the process of deploying deep learning systems and the limitations involved.
- Apply the techniques of deep learning using current deep learning libraries.

## Syllabus

---

- Introduction to deep learning
- Cloud computing
- Neural networks (NN)
- Regularization and optimizations
- Convolutional neural networks (CNNs)
- Recurrent neural networks (RNNs)
- Generative adversarial networks (GANs)
- Deep reinforcement learning

<b>Module code</b>	CSC513	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# DATA VISUALISATION AND WAREHOUSING

---

## Module aims

---

This module aims to:

- Provide a comprehensive understanding of data warehousing concepts and techniques.
- Provide an opportunity for students to create a data warehouse using open-source technologies and open-source public data sets.
- Provide a comprehensive understanding of why data visualisation is important and how this communicates insights better than traditional reporting techniques.
- Provide students with an opportunity to create data visualisations and combine such visualisations into a single dashboard to tell a "data story"

## Syllabus

---

- Review of the rationale for, and benefits of, data warehousing
- Design of relational databases
- Data accuracy and data cleansing; defining rules for data warehousing
- Loading data into a data warehouse and ensuring that relevant business case objectives are met
- Benefits of visualisation and data storytelling
- The process of building visualisations to answer common business questions
- Combining visualisations into a single dashboard to "tell a story"
- Expanding and building on top of existing insights

## Learning outcomes

---

Students will be able to:

- An in-depth knowledge of data warehousing concepts and techniques.
- A comprehensive and critical understanding of the process of creating effective data warehousing solutions
- A systematic understanding of data visualisation techniques and best practice
- Hands-on experience of building a data visualisation dashboard using a state-of-the-art visualisation system and how such visualisations may be used to support decision making

<b>Module code</b>	CSCK514	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# CLOUD COMPUTING

---

## Module aims

---

This module aims to:

- Provide students with the opportunity to investigate cloud architectures and foundations so that they obtain a comprehensive understanding of the process of building cloud-based infrastructure services and applications.
- Provide a comprehensive and systematic understanding of cloud architecture models.
- Provide a critical and wide-ranging understanding of cloud industry standardisation, middleware platforms and cloud provider platforms.

## Learning outcomes

---

Students will be able to:

- A comprehensive ability to explain key concepts and major application areas in the context of cloud computing.
- An ability to analyse and critically compare cloud computing solutions.
- A deep and systematic understanding of the mechanisms that can be used to realise cloud computing solutions to IT problems.

## Syllabus

---

- Cloud Computing Foundation
- Cloud Architectures and Cloud Platforms
- Cloud Infrastructure as a Service (IaaS)
- Cloud Platform as a Service (PaaS)
- Cloud Software as a Service (SaaS) and application clouds.
- Cloud Security, data protection and privacy, access control and identity management
- Cloud construction, cloud interoperability, migration enterprise infrastructure to clouds
- Cloud infrastructure management, system/service compliance and assurance

<b>Module code</b>	CSC551	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

## SECURITY RISK MANAGEMENT

### Module aims

This module aims to:

- Provide students with theoretical and practical knowledge of the domain of (Cyber) Security Risk Management, along with an insight into the formal and systematic approaches core to Security Risk Management.
- Provide students with a substantial technical awareness, and managerial competence, concerning information security policy and management.
- Provide students with advanced knowledge of the security issues that can affect information and computer systems.
- Provide students with practical ability in the application of the concepts, techniques, methods and approaches of Security Risk Management in the context of enterprises of all kinds.

### Learning outcomes

Students will be able to:

- Develop an ability to analyse and assess (Cyber) Risk Management scenarios by utilising systemic analysis processes.
- Develop a systematic ability develop and deploy a program of Cyber Security using the tools and techniques of security risk management.
- Develop an in-depth and critical understanding of the professional codes of practice, and legal, social, cultural and ethical issues, related to security risk management.
- Develop a comprehensive awareness of the social and environmental context in which security risk management operates .
- Develop the practical ability to apply the tools and techniques of security risk management, in a manner that is both practical and pragmatic, and in the context of enterprises of all kinds.

### Syllabus

- The principles of (Cyber) Security Risk Management.
- Security Risk management, management models, roles, and functions.
- Strategic management planning and strategies, the security management life cycle.
- Laws and regulatory requirements concerning cyber security, and security standards and controls.
- Security metrics and Key Performance Indicators (KPIs).
- Physical security and environmental threats, contingency planning.
- Security training and awareness, the creation of a security staff training plan.
- The future of Cyber Security Risk Management; the potential impacts of evolving technologies.

<b>Module code</b>	CSCK552	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# INFORMATION TECHNOLOGY LEADERSHIP

## Module aims

This module aims to:

- Provide students with a comprehensive understanding concerning the key concepts and theories of IT leadership.
- Provide students with a systematic understanding of individual leadership and individual leadership styles.
- Equip students with a wide-ranging understanding of issues related to leadership, collaboration and change within organisations.
- Enable student to analyse critically, and understand, the responsibilities and privileges of leadership, and the moral and ethical dimensions of the use of authority and power.

## Learning outcomes

Students will be able to:

- A comprehensive knowledge of the role of the leader in the context of IT processes and management.
- An ability to critically evaluate different leadership traits and skills, and to critically assess personal leadership styles.
- An In-depth appreciation of the role of collaboration within organisations.
- A deep and comprehensive understanding of issues related to the influence on leadership of culture, motivation and value creation within organisations.
- A systematic and critical understanding of the role of change leadership in the context of risk mitigation in IT projects.
- A comprehensive awareness of leadership issues in the contexts of ethics.
- An in-depth appreciation of the complexity and dynamics of leadership in organisations.

## Syllabus

- IT processes and leadership in context.
- The personal qualities and traits of successful leaders within IT.
- Skills for successful IT leadership.
- Collaborative leadership as an IT leader fostering innovation.
- Transformation leadership and leading organisational change.
- Leadership in value creation, risk assessment and strategic partnership.
- Ethics and leadership.
- Leadership in emerging scenarios.

<b>Module code</b>	CSCK553	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# STRATEGIC TECHNOLOGY MANAGEMENT

---

## Module aims

---

This module aims to:

- Provide a comprehensive knowledge of the strategic importance of IT within organisations.
- Provide a systematic understanding of the role of the Chief Information Officer (CIO) within organisations.
- Equip students with the ability to analyse critically the alignment of IT with business strategy.
- Enable students to analyse critically the maturity of IT systems within business organisations.
- Provide an in-depth understanding of IT governance in support of IT business alignment.
- Provide a wide-ranging understanding of information systems planning.

## Learning outcomes

---

Students will be able to:

- A critical understanding of the role of IT in the support of business strategy.
- The ability to evaluate critically the impact of IT on an organisation's performance.
- The ability to analyse critically the alignment of IT and business strategy.
- The ability to evaluate critically an organisation's IT maturity level.
- A comprehensive understanding of the methodologies used to develop a strategic information systems plan.
- A systematic understanding of the role of IT governance for IT-business alignment.
- An in depth understanding of the relationship between organisational culture and IT.
- An ability to use a variety of frameworks to understanding the value of IT to organisations.

## Syllabus

---

- Critical introduction and overview of Major IT issues
- IT maturity models
- IT alignment models
- IT governance
- Strategy mapping
- Using IT to support business
- Measuring the value of the connection between IT and business

<b>Module code</b>	CSCK554	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# TECHNOLOGY INNOVATION AND CHANGE MANAGEMENT

## Module aims

This module aims to:

- Enable students to build a solid theoretical and practical academic understanding with respect to the techniques and challenges of technology innovation and change management.
- Allow students to acquire a comprehensive understanding of strategic IT implementations involving the management of organisational resources and environments outside of the IT domain.
- Provide students with critical insights regarding the use of new innovations to generate competitive advantages within organisations and businesses.
- Provide students with the practical ability to apply the knowledge gained to assess critically, and implement, innovation and change in a controlled manner that aligns with organisational needs and objectives.

## Learning outcomes

Students will be able to:

- A comprehensive understanding of the process of innovation, diffusion and adoption of technology in organisations.
- An in-depth knowledge of change management frameworks for IT.
- An ability to assess and respond to organisational and business impacts resulting from IT innovation and change.
- A deep and systematic understanding of IT standards and governance to orchestrate change and innovation.
- A critical understanding of the impact of organisational culture and decision-making on IT adoption and how best to use this knowledge to foster and build readiness for change.
- An ability to explore opportunities for innovation with respect to new technologies.

## Syllabus

- Critical introduction to innovation and diffusion.
- Knowledge management and technology innovation.
- Change management models and frameworks for Information Technology.
- Leading IT innovation and change.
- Innovating within Social Media.
- Innovating within Big Data and Cloud Computing.
- Managing IT change in global organisations.
- Using IT standards and governance to impact the innovation and change process.

<b>Module code</b>	CSC502	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# REASONING AND INTELLIGENT SYSTEMS

---

## Module aims

---

This module aims to:

- Provide students with a comprehensive understanding of the domain of reasoning and intelligent systems.
- Enable students to evaluate modern techniques of artificial intelligence and reasoning in both the public and the private sector contexts.
- Provide students with the knowledge and skills required to develop and deploy the tools and techniques of intelligent systems to solve real world problems.

## Syllabus

---

- Introduction to intelligent systems
- Rule-based expert systems
- Reasoning under uncertainty
- Evolutionary computation algorithms
- Fuzzy expert systems
- Inductive reasoning
- Temporal and spatial reasoning
- Intelligent systems applications

## Learning outcomes

---

Students will be able to:

- Analyse and evaluate intelligent systems' techniques.
- Demonstrate an understanding of the differences between intelligent system applications and conventional computer applications.
- Deploy critically appropriate software tools and skills for the design and implementation of intelligent systems.
- Demonstrate an in-depth understanding of the practical application of the principles of intelligent systems.
- Analyse intelligent system problems and formulate appropriate solutions.

<b>Module code</b>	CSCK507	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

# NATURAL LANGUAGE PROCESSING AND UNDERSTANDING

---

## Module aims

---

This module aims to:

- Provide students with a deep and systematic understanding of the theoretical underpinning supporting the domain of natural language processing.
- Provide students with a comprehensive understanding of the tools and techniques of natural language processing and understanding and the ability to deploy such tools and techniques.
- Provide students with the ability to apply the principles, methods and tools of natural language processing and understanding to provide solutions to business problems.

## Syllabus

---

- The natural language processing landscape
- Text and sentence representation
- Sentiment analysis
- Named-entity recognition
- Sequence to sequence models
- Conversational user interfaces
- Chat bots
- Ethical considerations

## Learning outcomes

---

Students will be able to:

- Demonstrate a deep and systematic understanding of the nature of Natural Language Processing (NLP) in the context of modern commercial settings.
- Demonstrate a critical understanding of the theory underpinning the practical application of NLP.
- Demonstrate a comprehensive and wide-ranging understanding of the tools and techniques employed in the domain of NLP and an ability to apply those tools.
- Demonstrate a comprehensive understanding of the nature of Chat Bots in the context of NLP and an ability to create simple but effective Chat Bot applications.

<b>Module code</b>	CSCK508	<b>NQF level</b>	Level 7
<b>Credit value</b>	15 credits	<b>Module duration</b>	8 weeks

## RESEARCH METHODS IN COMPUTER SCIENCE

### Module aims

This module aims to:

- Provide a deep and systematic knowledge of the nature of strategic computing projects that harness recent development within the domain of computer science.
- Equip students with the ability to undertake independent research with a view to specifying a strategic IT project; including problem and solution definition, and the ability to compare and analyse competing solutions.
- Furnish an ability to manage, conduct and monitor strategic IT projects using a range of tools and techniques.
- Provide an in-depth knowledge and understanding of the information security issues related to the management, conducting and monitoring of IT projects, including the associated risk management.
- Highlight the Legal, Social, Ethical and Professional (LSEP) issues applicable to computing projects and the relevant codes of ethics and practices.
- Enhance and develop transferable skills in the context of the presentation and communication of technical material to a range of audiences.

### Learning outcomes

Students will be able to:

- Investigate and define a problem in terms of recent innovations and the current technological state of the art; and in terms of end-user (customer) needs and cost drivers.
- Critically review current literature concerning key developments in a particular domain, and identify limitations and avenues with a view to further development and entrepreneurship.
- Define and evaluate a computing solution to a recognised problem taking into consideration technical constraints, risks and safety aspects; and the Legal, Social, Ethical and Professional Issues (LSEPI), including information security requirements.
- Manage the design, specification and implementation of a computing solution to a recognised problem using appropriate tools and practices.
- Critically evaluate a proposed computing solution to a recognised problem.

### Syllabus

- Overview of research methods
- Legal, social, ethical and professional issues
- Literature review
- Research project specification
- Project management
- Project conduct
- Project evaluation
- Technical writing

<b>Module code</b>	CSC700	<b>NQF level</b>	Level 7
<b>Credit value</b>	60 credits	<b>Module duration</b>	32 weeks

# COMPUTER SCIENCE CAPSTONE PROJECT

---

## Module aims

---

This module aims to:

- Equip students with the ability to plan and conduct an independent technical project over an extended period of time.
- Allow students to successfully complete a self-directed project culminating in a detailed written dissertation and video presentation.
- Provide an opportunity for students to reflect on and use tools and techniques acquired during the preceding taught part of the programme.
- Encourage students to consider and address the legal and ethical issues surrounding their project topic and relate these to the professional standards of the Chartered Institute for IT.

## Learning outcomes

---

Students will be able to:

- Conduct independent research and development within the context of a computer science project.
- Produce detailed written documentation to a standard expected of a professional in the field of computer science.
- Develop a stand-alone artefact that meets the requirements identified and conforms to a design specification.
- Articulate the legal, social, ethical and professional issues surrounding an extended project, and follow relevant professional codes of practice.
- Communicate technical information clearly and succinctly to a broad, non-specialist audience.
- Evaluate project outcomes with reference to key research publications in the relevant field.

# ARTIFICIAL

# INTELLIGENCE

## USEFUL INFORMATION

---

### Learning and teaching methods

---

The mode of delivery is by online learning, facilitated by a Virtual Learning Environment (VLE). This mode of study enables students to pursue modules via home study while continuing in employment. Module delivery involves the establishment of a virtual classroom in which a relatively small group of students (usually 10–25) work under the direction of a faculty member. Module delivery proceeds via a series of eight one-week online sessions, each of which comprises an online lecture, supported by other eLearning activities, posted electronically to a public folder in the virtual classroom. The eLearning activities will include lecture casts, live seminar sessions, self assessment activities, reading materials and other multimedia resources. Communication within the virtual classroom is asynchronous, preserving the requirement that students are able to pursue the course in their own time, within the weekly time-frame of each seminar. An important element of the module provision is active learning through collaborative, cohort based, learning using discussion fora where the students engage in assessed discussions facilitated by the faculty member responsible for the module. This in turn encourages both confidence and global citizenship (given the international nature of the online student body).

### Fees and funding

---

For current information on tuition fees and funding options, please ask our course consultants for more details. ☎+852 9545 5878

### Discounts and scholarships

---

For current information on discounts and scholarships, please ask our course consultants for more details. ☎+852 9545 5878

### Careers

---

The MSc Artificial Intelligence is aimed at graduates who are already in IT-related employment who seek to enhance their abilities in the context of Artificial Intelligence. An employment area where there is currently a well-documented shortage of qualified individuals in a field expected to have sustained growth in coming years. It is intended that the programme will underpin and enhance students' existing knowledge and understanding, bringing it up to date with current developments concerning Artificial Intelligence. The expectation is that the skills and abilities that will be learnt on the programme will allow graduates take up positions within the Artificial Intelligence industry. Example AI career opportunities include: machine learning engineer, predictive modeller, corporate analytics manager, data scientist, computational linguist and information strategy manager.

**Ready to apply?** Please complete our online application form to apply to study this programme.

**READY**  
**TO APPLY?**

Submit your application online

or contact our partner, Kaplan Higher  
Education Hong Kong, at

+852 2526 3686

[info@kaplan.edu.hk](mailto:info@kaplan.edu.hk)



The University of Liverpool works with partner, Kaplan Higher Education Hong Kong, to process applications and admissions.