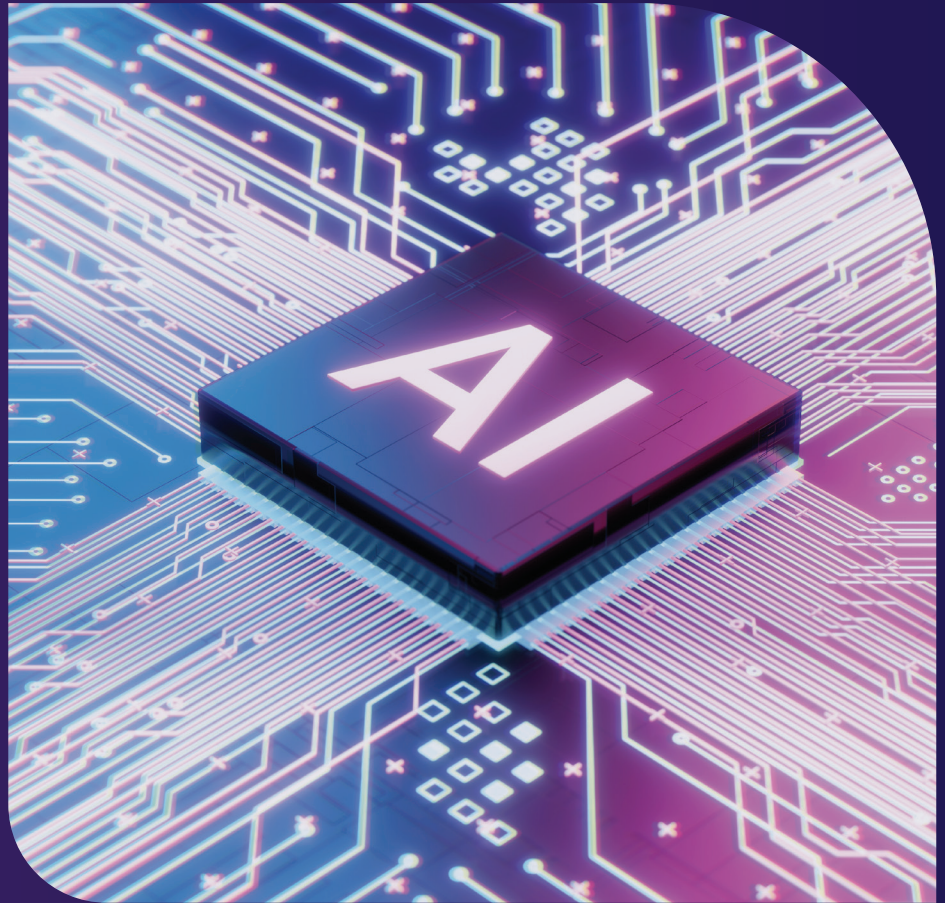# MSc in Artificial Intelligence

__ DURATION
18 months (90 – 102 ECTS)

__ TUITION FEES
5125 Euro for the entire programme

__ SCHOLARSHIPS
Several scholarships covering half the amount of fees are available

The MSc in Artificial Intelligence programme brings together the expertise of two departments in the University of Cyprus – Computer Science, and Electrical and Computer Engineering – to prepare the next generation of AI experts.

UNIQUE FEATURES

- A rigorous AI curriculum with a wide choice of elective courses
- AI Careers in EU – Career Counseling
- Strong coupling with industry (internships, entrepreneurial activities, AI webinars from industry, joint Master thesis with industry)
- Strong emphasis on AI Ethics

University of Cyprus
Department of Computer Science

University of Cyprus
Department of Electrical and Computer Engineering

"Navigating the Frontiers of AI Excellence "

LEARNING OUTCOMES

Foundational Principles of Intelligent Systems
Understand the fundamental principles defining software systems with 'intelligent' behavior and stay informed about the latest advancements in AI.

Holistic Understanding of Machine Learning
Acquire a comprehensive view of machine learning principles driving scientific and industrial AI innovations.

Entrepreneurial Insight in AI and Data
Master key concepts and challenges relevant to AI and data-driven entrepreneurship.

Practical Application and Ethical Considerations
Apply AI research methods and tools, considering professional practices, regulatory frameworks and AI ethics.

WHY STUDY AT UNIVERSITY OF CYPRUS?

Premier research university
Striving for excellence in education, research and innovation, University of Cyprus has managed, in just over 30 years, to become one of the leading institutions of higher education in Europe. Ranked 1st in securing European funding from all organizations from the 27 WIDENING countries, the University of Cyprus has secured nearly 100 research projects with a total funding of more than €60 million.

Academic Quality
Aspiring to function as a beacon of science and creativity, the University of Cyprus enjoys a reputation for cutting-edge research and high-quality teaching, and offers an increasing range of graduate programmes in English. With around 7.000 students, 800 faculty and staff members, and 15 well-funded research centers, UCY is a rapidly expanding university and the biggest employer in Cyprus for young researchers.

Cutting Edge Facilities
Classrooms fully equipped for hybrid learning. A data center with high-performance computing clusters. A world-class library, open 24/7.

A beautiful and growing campus with restaurants, cafes, and stores. The University of Cyprus' infrastructure compares favorably to top European Universities.

World Class Faculty
Our faculty in the MSc in AI programme includes editors of top tier Academic Journals, has been featured in top scientific and media outlets, and has won multi-million Euro competitive European grants.

Industry Connections
The MSc in AI has strong links and support from leading Cypriot organizations. Real-world experience and networking opportunities will help launch and accelerate our graduates' careers.

Curriculum
Our curriculum provides a thorough grounding in AI fundamentals, machine learning, natural language processing and deep learning, in addition to AI ethics and critical business skills such as entrepreneurship and industrial internships.

MANDATORY COURSES

- AI Fundamentals
- Machine Learning
- Research Methodologies and Professional Practices in AI
- AI on the Edge Webinars
- AI Ethics and Policy Making
- AI Entrepreneurship

ELECTIVE COURSES

- Industrial/research internship
- AI Camp
- Natural Language Processing
- AI in Medicine
- Deep Learning
- Computer Vision
- Machine Learning for Graphics and Computer Vision
- Cognitive Programming for Human-centric AI
- Computational Neuroscience

- Human-centered intelligent user interfaces
- Principles of Ontological Databases
- Internet of Things
- AI and Creativity
- Big Data Analytics
- Data Visualization
- Cloud Computing
- Embedded and Real-Time Systems
- Intelligent Monitoring and Control
- Autonomous Mobile Robots

MSc Thesis can be replaced with 2 elective courses

ADMISSION CRITERIA

- A Bachelor's degree in pure/applied sciences (computer science, informatics, mathematics, etc.) or engineering (e.g., computer engineering, biomedical engineering) or cognitive science
- Reasonable exposure to AI background topics gained through previous studies or work experience, as well as knowledge of computer programming
- Fluency in the English language

MORE
INFORMATION