

MSc Artificial Intelligence

Department of Computer Science



University of Cyprus



New MSc, starting in September 2022, to be taught in English

Europe's Strategic Vision to become a world leader in AI:

- Great demand for AI specialists
- Fully conversant with state-of-the-art technical knowledge
- Connected with industry
- Fully aware of the ethical issues arising

Collaborating Network:

- University of Cyprus
- University of Bologna
- Technical University of Dresden
- University of Ruse Angel Kanchev
- CYENS Centre of Excellence
- Four high-tech SMEs (INJENIA SRL, Nodes & Links Labs, 3AeHealth LTD, MLPS AD)

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Unique Features:

- AI Careers in EU – Career Counseling
- Strong coupling with industry (internships, AI Camp, entrepreneurial activities, AI webinars from industry, joint Master thesis with industry)
- Strong emphasis on AI Ethics

The duration of the programme is **18 months (90 – 102 ECTS)**.

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

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Why study at University of Cyprus?

Premier research university

Striving for **excellence in education, research and innovation**, University of Cyprus has managed, in less than 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 centres, 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 favourably 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 launches with strong support from leading Cypriot organizations. **Real-world experience and networking opportunities** will help launch and accelerate our graduates' careers.

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Mandatory courses (totaling 42 ECTS):

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

Summer activities (totaling 12 ECTS)

(optional participation but providing important added-value)

- AI Camp
- Industrial/research internship (following evaluation it could be counted as an elective course)

Elective courses (8 ECTS each):

- 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

MSc Thesis can be replaced with two elective courses

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Application deadline: 31 May 2022 – submission link: http://ucy.ac.cy/postgraduate_appl_en