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)

This Master is run under the context of Action No 2020-EU-IA-0087, co-financed by the EU CEF Telecom under GA nr. INEA/CEF/ICT/A2020/2267423
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
MSc Artificial Intelligence (University of Cyprus)

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

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

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)

MSc Thesis can be replaced with two elective courses

Contact: elpida@ucy.ac.cy  website: https://mai4car.eu  Application deadline: 31 May 2022 – submission link: http://ucy.ac.cy/postgraduate_appl_en