



UNIVERSITÀ
DI TRENTO

MSc in
Artificial Intelligence Systems - AIS



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Master of Science in Artificial Intelligence Systems - AIS

The new professional figures formed through the Master will develop an expertise that will put them at the forefront of innovation in the conception, design and development of intelligent systems. At the heart of our teaching idea is the adoption of **multidisciplinary** approaches and applications.

The course provides students with **substantial laboratory activities** and **hands-on experiences**, projects, seminars held by researchers and industry leaders, and internship opportunities.

As well as being offered a widespread and deep knowledge on the most important disciplines related to AI systems, the students will develop a number of **soft skills** including communication, autonomous learning, self-confidence and drive. Such skills will be of crucial importance for a **professional profile** coping with continuous **research and innovation** in artificial intelligence.

AIS graduates can apply their expertise in very diverse application fields such as: Industry 4.0, complex corporate processes automation, autonomous driving, finance, health, environment and will be able to face and understand innovation-related issues from a wider and **more critical** perspective.

Programme overview

Degree awarded

- Master of Science - “Laurea Magistrale” - in Artificial Intelligence Systems

Language

English

Class size

Up to 80 students

Workload

The total workload for each student is 120 ECTS (European Credit Transfer System)

Intake

September each year

Duration

2 years full-time

Fees and funding (approximate range)

- EU: 340€ - 3.400€ (based on income/merit)
- Non-EU: 1.000€ - 6.500€ (based on merit)
- Income/merit based scholarships and tuition waivers available

Admission

Selection criteria

- Academic curriculum and assessment of previous studies and their coherence with the MSc
- English language knowledge
- Curriculum Vitae
- Statement of purpose

Application deadlines (check online for updates)

- March for non-EU citizens living outside Italy
- June for EU citizens and non-EU citizens regularly living in Italy

How to apply

- Access the online application form
- Upload the required documents
- Submit your online application by the deadline
- Check online for more information and updates: www.unitn.it/ais

Requirements

- Bachelor's degree (or equivalent) in Computer Science, Information or Industrial Engineering, or other scientific disciplines provided that the candidate has a sufficient background in computer science/engineering
- English at B2 level of the Common European Framework of Reference for Languages

Study Plan

In order to cope with the challenging and multifaceted requirements of modern AI systems, our Master course offers a combination of fundamental background knowledge on AI and of specific elements of expertise related to four alternative specialisation areas.

The background knowledge is offered in the context of a few mandatory courses and cover such topics as: the fundamentals of Artificial Intelligence, machine learning, natural language, artificial and biological neural system, law and ethics in AI.





The Master offers **four specialization areas** organised as curricula:

Curricula:

- Methodologies and Applications
 - Intelligent Robots
 - Methodologies
 - Computer Vision
- AI and Innovation
- Systems
- Neurocognitive Architecture

Each curriculum is complemented by in-depth courses, free choice courses, internship and thesis.

Career opportunities

AIS graduates hold high-profile scientific, technical and / or managerial roles in contexts that require in-depth knowledge of the Computer Engineering disciplines with particular reference to AISs. Graduates can work in research, design, development, engineering, production, innovation, operation and maintenance, management of artificial intelligence solutions and technologies, and their applications in sectors ranging from the automation of complex corporate processes, mobility, management of services to citizens, finance, health and the environment, or they can access Doctoral studies.







CONTACT DETAILS

International Mobility Office

Science and Technology Area

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