UNIVERSITY OF
MESSINA
| founded in **1548**

Master's Degree in

ENGINEERING IN COMPUTER SCIENCE

→ **Scientific coordinator**
Prof. Dario Bruneo
dbruneo@unime.it
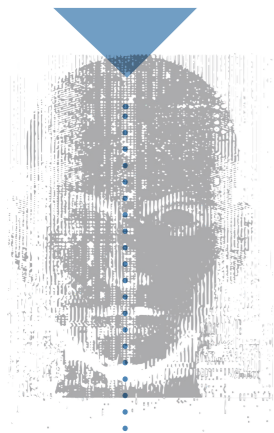
Department
Engineering

Duration
2 years

Master's Degree in

ENGINEERING IN COMPUTER SCIENCE

→ Programme overview

This Master's Degree develops knowledge, skills, and expertise in the dynamic computer science and engineering field. This curriculum is tailored for individuals who seek to deepen their understanding of cutting-edge technologies, engage in groundbreaking research, and take on leadership roles in the ever-evolving tech industry.

Skills acquired in this programme include: system management, planning, and design; implementation and deployment of innovative, networked, distributed systems; artificial intelligence and deep learning system design; intelligent cyber-physical systems modeling; cybersecurity foundations and applications; industrial automation and robotics.

→ Minimal entry requirements

Admission will be granted to the candidates having a Bachelor's degree either in Computer Engineering or Computer Science that includes the following prerequisites:

| Mathematical Analysis | Physics | Geometry | Computer Science |

| Computer Engineering | Electronics | Automation |

| Telecommunications |

The course commission will evaluate the candidate's curriculum for admission. Scan the QR Code for further admission requirements criteria.

→ Language requirements

International English language certificate issued by an Institution recognized by the Italian Ministry of University and Research (MUR), B2 level of the Common European Framework of Reference.

→ Study programme

YEAR 1
- Artificial intelligence
- Dependable computing modeling and simulation
- Complex social networks
- Cybersecurity
- 1 exam from Group A
- Industrial IoT
- Soft sensing and system identification
- Elective course

YEAR 2
- Embedded systems
- Distributed systems
- Deep learning
- Elective course
- 1 exam from Group B
- Internship
- Master thesis defense

GROUP A
- Game theory
- Lean and green production
- Managing innovation and entrepreneurship
- Optimization methods and algorithms

GROUP B
- High performance and quantum computing
- Big data
- Industrial automation and robotics
- Machine learning for multimedia applications

→ Tuition fees

A fixed fee (€ 156.00) and a remaining amount of tuition calculated on the basis of a sliding scale. For further information:

"

My Master's Degree in Engineering in Computer Science is giving me new opportunities that I had never thought of before. I will be able to take the Italian national qualifying exam for engineering, and at the same time expand my skills and knowledge in the field of Computer Science. Our professors are highly qualified and they are very supportive. We have state-of-the art equipment and it's very exciting to think about what I can do in the future. I really like my programme!

Darsi Ashok