



UNIVERSITY OF
MESSINA
| founded in **1548**

Master's Degree in **MECHANICAL ENGINEERING**

(Curriculum in Mechanical Engineering and
Innovation)



Scientific coordinator

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Department

Engineering



Duration

2 years



Master's Degree in **MECHANICAL ENGINEERING**

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→ Programme overview

The Master's Degree Programme in Mechanical Engineering (Curriculum in Mechanical Engineering and Innovation) is designed to develop the skills required to design and manage innovative processes and systems across a wide range of contexts.

The programme trains professionals with strong design capabilities and specialized skills across multiple areas of mechanical engineering, covering both traditional activities and advanced, cutting-edge applications. Graduates are prepared to take on roles of high responsibility and specialization in design, research, development, management, and quality control of products, processes, and plants. Core competencies include:

- o Mastery of design tools and advanced CAE simulation software
- o Understanding of material behavior and system dynamics
- o Expertise in energy system management
- o Product qualification and structural diagnostics methods

The programme's effectiveness is reflected in excellent graduate outcomes, demonstrating both academic quality and strong career readiness. Within one year of graduation, the key performance indicators are (Source: Almalaurea Survey 2024):

- 87.5% satisfaction with the degree program
- €1,776 average net monthly salary
- 88.9% employment rate
- 8.1/10 job satisfaction
- 2.4 years average time to degree completion

→ Minimal entry requirements

Admission will be granted to the candidates having a Bachelor's degree in Industrial Engineering (Mechanical, Industrial, Management, Electrical, Energy, Chemical, Biomedical, Nuclear, Automation, Aerospace, or Naval Engineering) or related field.

Strong foundation in mathematics, chemistry, and physics.

The course commission will evaluate the candidate's curriculum for admission.

Scan the QR Code for further admission requirements criteria.

→ Language requirements

International English Certificates accepted by UniME, B2 level of the Common European Framework of Reference.

Scan the QR Code for further information.



→ Study programme

The Master's Degree in **Mechanical Engineering (Curriculum in Mechanical Engineering and Innovation)** belongs to the Degree Class **LM-33**.

YEAR **1**

First semester

- Dynamics of mechanical systems
- Diagnostics and vibroacoustics
- Manufacturing technologies for Industry 4.0

YEAR **2**

First semester

- Energy systems and power generation
- Thermal plants and energy analysis
- Robotics
- Machine design

YEAR **1**

Second semester

- Algorithms for mechatronics
- Advanced modeling
- Extended reality for engineering
- Finite Element Method in mechanical design

YEAR **2**

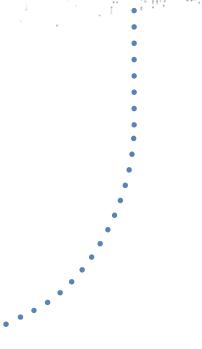
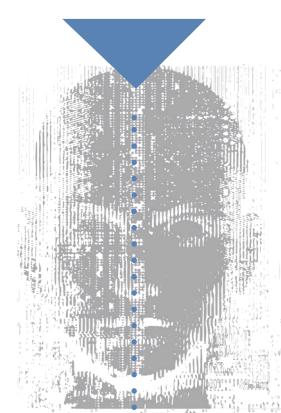
Second semester

- Internship
- Master degree thesis



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→ International opportunities

UniME students have the opportunity to participate in the Erasmus+ Mobility programme both for study and training. Calls are published on the site twice per year. Another opportunity for students is the UniME Funded programme "Students Around the World" (SAW) call for scholarships for study at the extra-European universities in the context of international cooperation agreements.

For further information please visit our site.

→ Tuition fees

UniME tuition fees for international students are calculated by country group.

Scan the QR Code for further information.



→ Job opportunities

Career opportunities include:

- *Mechanical, mechatronic and electromechanical industries*
- *Transportation sector companies*
- *Manufacturing and processing industries*
- *Energy production organizations Research institutes*
- *Design firms and freelance professional practice*

