



Dipartimento di Ingegneria
Civile e Meccanica
UNIVERSITÀ DI CASSINO E DEL LAZIO MERIDIONALE

Master of Science Mechanical Engineering

Course Mission

The Master of Science in Mechanical Engineering at the University of Cassino and Southern Lazio aims to prepare a mechanical engineer characterized by strong design skills, by the use of the most recent innovations in mechanical design methodologies, in materials choice and optimization, in new technologies, in modern and advanced production facilities, focusing on automation and optimization aspects of processes, energy management and environmental preservation. The degree is intended to train highly professional and competent technicians, able to work in the productive field, in Research and Development.



Programme Overview

Degree	Master's degree in Mechanical Engineering Certification: MSc
Duration	2 years (full time)
Language	English taught
Important dates	2019.11.04 – 2020.02.07 (first semester) First semester exams until 2nd of March 2020.
Total ECTS	120 including classes, placement, and thesis. All activities are in English.



Programme details

First year, Semester 1 – Total credits = 30	
Subject	Credits (CFU/ECTS)
MECHANICAL ENGINEERING DESIGN	12
MEASUREMENT FOR INDUSTRIAL AUTOMATION	12
ADVANCED NUMERICAL HEAT AND MASS TRANSFER	6

First year, Semester 2 – Total credits = 30	
Subject	Credits (CFU/ECTS)
ADVANCED POWER SYSTEMS	6
MECHANICS OF MECHANICAL SYSTEMS	12
ELECTRIC POWER SYSTEM ENGINEERING	6
HYBRID AND ELECTRIC VEHICLES	6
ELECTROMAGNETIC COMPATIBILITY FOR INDUSTRY APPLICATIONS	6
APPLIED METALLURGY	6

Elective courses

Programme details

Second year, Semester 1 – Total credits = 30

Subject	Credits (CFU/ECTS)
ADVANCED MANUFACTURING PROCESSES	6
SYSTEM AND HUMAN RELIABILITY	6
MATERIALS SCIENCE AND ENGINEERING	6
DESIGN OF ELECTRONIC SYSTEMS	6
INTRODUCTION TO ROBOTICS	6

Elective
courses

Second year, Semester 2 – Total credits = 30

Subject	Credits (CFU/ECTS)
Internship	15
MS thesis	15

Enrollment Documentation

All the documentation has to be delivered to the **International Relations Office** in Viale dell'Università (ground floor, room T15)

Referent Person: **Dr. Laura Morone**.

Office hours: Monday – Wednesday – Thursday: 9.30 – 11.30 a. m; Wednesday: 3 – 4 p. m.

Phone: (0039) 0776 299 3904

Email: international.office@unicas.it

Each student has to deliver a copy of:

- ✓ ID/ passport
- ✓ Visa/ Residency Permit or receipt of the renewal
- ✓ Codice Fiscale issued by Agenzia delle Entrate located in Via Ausonia, 03043 Cassino (Office hours: - from Monday to Friday 8:20 - 12:20 a. m.; - from Monday to Thursday 2:00 - 3:00 p. m.; - Saturday-Sunday closed).
- ✓ For any degree or certificate, Italian translation is required expect if the documentation is in English, French or Spanish.

Scholarship info

For scholarships refer to “Lazio Disco, ente regionale per il Diritto allo Studio ed alla Conoscenza”:
www.laziodisco.it

Supplementary services

G Suite:

Username: usernamegomp@studentmail.unicas.it

Passwd: GOMP passwd

You can have a virtually infinite GDrive and the access to Google Classroom

Google Classroom:

Each course is identified by a code

Languages courses:

English, Spanish, german ... and Italian!

Social networks:

FB page: <https://www.facebook.com/IngegneriaIndustriale.Unicas/>

Telegram channel: https://t.me/mecheng_unicas

All the information are available here:

<https://www.unicas.it/didattica/innovazione-della-didattica.aspx>

Referent Persons



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