

## REASONS TO APPLY

**Because** the students will acquire a solid physical-mathematical preparation and knowledge that embrace various fields of engineering;

**Because** the students will acquire knowledge and skill in modern and cutting-edge sectors such as in the field of mobility and electric transport and in the energy sector of traditional and renewable sources;

**Because** the number of the enrolled students is low and, therefore, the tutors can support better all the students throughout the training course;

**Because** electrical engineering graduates can find a job within few months of the achievement of the Master's Degree;

**Because** the electrical engineers in Italy have the highest salaries among all the engineers.

### Coordinator of MSc degree in Electrical Engineering

Prof. Santolo Meo  
santolo.meo@unina.it



#### Useful Links

##### Polytechnic and Basic Sciences School

[www.scuolapsb.unina.it](http://www.scuolapsb.unina.it)

##### Department of Electric Engineering and Information Technology

Via Claudio 21, 80125 Napoli  
[www.dieti.unina.it](http://www.dieti.unina.it)

##### Electrical Engineering Degree links

[ingegneria-elettrica.dieti.unina.it](http://ingegneria-elettrica.dieti.unina.it)  
[www.facebook.com/ingegneriaelettricaunina](https://www.facebook.com/ingegneriaelettricaunina)

##### Degree Program Counselor

Prof. Giovanni Breglio  
[giovanni.breglio@unina.it](mailto:giovanni.breglio@unina.it)

##### Student Secretariat

Piazzale Tecchio 80, 80125 Napoli  
Opening hours: Monday to Friday, from 9.00 to 12.00  
Tuesday and Thursday also from 14.30 t 16.30



UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II  
SCUOLA POLITECNICA E DELLE SCIENZE DI BASE

# ENGINEERING

## MASTER'S DEGREE IN ELECTRICAL ENGINEERING



2020|21

## LEARNING OUTCOMES

The Master's Degree in Electrical Engineering has the objective to form a professional figure that:

- knows in depth the theoretical and the scientific aspects of mathematics and other basic sciences and can use this knowledge in order to interpret and describe complex engineering problems or the ones that require an interdisciplinary approach;
- knows in depth the theoretical and the scientific aspects of engineering, both in general and deeply the ones related to electrical engineering, in which he can identify, formulate and solve, even in an innovative way, complex problems;
- is capable of devising, planning, designing and managing complex and/or innovative systems, processes and services;
- is capable of designing and managing highly complex experiments;

More details can be found at the following website:

[ingegneria-elettrica.dieti.unina.it](http://ingegneria-elettrica.dieti.unina.it)



## ADMISSION REQUIREMENTS

In order to be admitted to the Master's Degree in Electrical Engineering, the Bachelor's Degree, or another recognized qualification obtained abroad, is needed. For all the admission requirements, please, refer to the teaching regulation of the Master's Degree in Electrical Engineering (LM28) course, which can be found on the website of the course of study. In absence of these requirements, the Commission for Didactic Coordination may arrange the ways in which the student can make any curricular additions.

## MASTER'S DEGREE PLAN

Program: 2 years / 120 CFU

### FIRST YEAR

	CFU
Automatica	6
Sistemi automatici di misura ed elaborazione dei segnali	9
Fondamenti di Affidabilità dei sistemi elettrici	6
Modellistica dei sistemi elettrici	9
Modellistica di macchine e convertitori elettrici	9
Campi quasi-stazionari	9
Attività formative curriculari a scelta dello studente.	6
Attività formative a scelta autonoma dello studente	0-15

### SECOND YEAR

Reti elettriche intelligenti	12
Azionamenti elettrici	6
Ulteriori conoscenze	6
Prova finale	12
Attività formative curriculari a scelta dello studente.	15
Attività formative a scelta autonoma dello studente	0-15

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## JOB OPPORTUNITIES

The graduates in Electrical Engineering will be able to find employment in the freelance profession, in manufacturing or service companies and in public administrations. In particular, they can be employed in companies for the production of electrical equipment and machinery and power electronic systems, for industrial automation and robotics; companies and institutions for the production, the transmission and the distribution of electricity; companies and institutions for the design, the planning, the operation and the control of electrical energy systems and of facilities and networks for electrical transport systems and for the production and the management of automated goods and services.

## FURTHER STUDIES

Electric Engineer with MSc degree can have access to post-grad research fellowships or PhD positions. In particular at DIETI are active two PhD Schools:

**iteePhD - Information Technology and Electrical Engineering**

[itee.dieti.unina.it/index.php/en/](http://itee.dieti.unina.it/index.php/en/)

**ICTHPhD - ICT for Health**

[icth.dieti.unina.it/index.php/en/](http://icth.dieti.unina.it/index.php/en/)

## CAMPUS AREA

Teaching and laboratory activities take place in the campus of Napoli Ovest, via Claudio, Napoli.

This area is easily accessible and well connected via public transport.

