REASONS TO APPLY

If you want to join the smart factories revolution and be part of the modern industrial transition, this is the right choice for you.

By enrolling to the electronic engineering master program, you will acquire the required skills to design and to develop all the complex electronic systems pervading the society. This master program allows you to gain the forma mentis which is necessary to follow the continuous change in the modern world of work.

These are reasons why the master graduated electronic engineer is easily employed in innovative contexts, such as aerospace and automotive industries.

Coordinator of MSc degree in Electronic Engineering
Prof. Santolo Daliento
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ingegneria-elettronica@unina.it

Useful Links

Polytechnic and Basic Sciences School
www.scuolapsb.unina.it

Department of Electric Engineering and Information Technology
Via Claudio 21, 80125 Napoli
www.dieti.unina.it

Electronic Engineering Degree links
ingegneria-elettronica.dieti.unina.it
www.facebook.com/ingegneria.elettronica.unina

Degree Program Counselor
Prof. Giovanni Breglio
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

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

ENGINEERING

MASTER'S DEGREEE IN ELECTRONIC ENGINEERING

DIETI UNINA

2020|21

LEARNING OUTCOMES

The MSc Program in Electronic Engineering aims to train engineers capable of entering the highest levels in the production chains of technologically advanced companies. The studies are divided into 3 thematic areas, "Power electronics and industrial applications", "Electronics of digital systems" and "Optoelectronic systems and high frequency electronics," which correspond to the main sectors applications of professional practice. Great importance is given to preparing the student for the international context in which Electronic Engineers typically operate. The degree program promotes student mobility, in the framework of numerous Erasmus agreements and through direct agreements with major European companies. The double degree program: an agreement with the TuLodz (Poland) allows to carry two semesters abroad. Moreover, after the MS degree in Electronics, students passing 51 additional CFU can acquire the MS degree in Biomedical engineering.

ADMISSION REQUIREMENTS

You are eligible to the Electronic engineering MSc program if you already have the BSc degree or an equivalent degree achieved abroad. According to the university regulation, the degree course commission shall asses the suitability of the personal background, recognising part or all the already obtained credits. This constraint is usually automatically satisfied if you have achieved a degree score higher than the threshold mark given in the university regulation, please find the link:
www.ingegneria-elettronica.unina.it/index.php/it/in-evidenza/85-disciplina-ammissione-laurea-magistrale.

MASTER'S DEGREE PLAN

Program: 2 years / 120 CFU

FIRST YEAR	CFU
Architettura dei Sistemi Integrati	9
Misure elettroniche	9
Fisica dello stato solido /Trasmissione del calore	9
Metodi ed Applicazioni per le Iperfrequenze e l'Ottica	9
Microelettronica	9
Sensori e trasduttori di misura/Componenti e circuiti ottici	9

SECOND YEAR	
Design of Electronic Circuits and Systems	9
Power Devices and Circuits/Circuiti per DSP/Sensors and microsystems	9
Dispositivi e Sistemi Fotovoltaici/ System on Chip/Integrated Photonics	9
Tirocinio	9
Prova Finale	12

Many teachings are given in English, in order to prepare the student for the international context. Regardless of the thematic area chosen, the list of exams can be modified and completed by choosing in the supplementary teaching list or in the independent choice list, up to the limit of 120 credits.

Main free choice and supplementary courses
Sistemi operativi, Elettronica organica, Misure su sistemi wireless, Scienza e tecnologia delle onde TeraHertz, Misure a microonde ed onde millimetriche, Trasmissione numerica, Strumenti e tecniche di programmazione, Reti elettriche complesse e simulazione circuitale, Affidabilità e qualità, Sistemi elettrici industriali, Elaborazione dei segnali multimediali, Controlli automatici.

JOB OPPORTUNITIES

The Electronic MSc engineer can be hired in all the innovative professional areas and research teams. Such hiring opportunities are represented by the large companies operating in the field of semiconductors, in the transport sector (automotive, aerospace, railway, shipping industry), in the defence sector and in the field of the electronic consumer market. Enterprises working within the telecommunication, informatics and industrial automation. Consulting firms and small/medium- size companies of metal-mechanics production. Government organization and public administration. Research structures (Universities, Italian and foreigners research facilities).

FURTHER STUDIES

Electronic 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/
ICTHPhD - ICT for Health
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.