REASONS TO APPLY

Because Computer Science pervades every aspect of our life and modern society.

Because skills in both engineering and computer systems enable us to solve complex problems.

Because computer engineering is the lever of innovation in all fields of human knowledge.

Because today there are more job offers in the IT and digital transformation sector than specialists able to perform them.

Because computer engineering is science, technology and creativity.

Because Computer Engineering trains graduates of success and excellence recognized all over the world: our graduates find jobs with excellent economic prospects immediately after graduating in Italy or abroad.

Coordinator of MSc degree in Computer Engineering
Prof. Antonio Picariello
antonio.picariello@unina.it
csinginf@unina.it

---

i

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

Computer Engineering Degree links
ingegneria-informatica.dieti.unina.it
www.facebook.com/IngInfFedericoII

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

neapōlis

---

neapōlis

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

ENGINEERING

MASTER'S DEGREEE IN COMPUTER ENGINEERING

DIE TI. UNI NA

2020|21

LEARNING OUTCOMES

Graduates in Computer Engineering are professionals capable of entering differentiated and rapidly evolving production realities, with roles of technological innovation management, designing and handling of complex systems, coordinating working teams in technical and production fields, at the highest levels. In addition to the specific areas of Computer Engineering, its skills will cover the entire ICT sector. The professional training of graduates in Computer Engineering therefore requires the acquisition of advanced design skills, with innovative expertize in the areas of Data Engineering and Artificial Intelligence, Industrial and Embedded Systems, Computer Networks, Cybersecurity. Finally, the training of graduates in Computer Engineering must include the knowledge of at least one language of the European Union, besides Italian.

ADMISSION REQUIREMENTS

Specific access criteria regarding the possession of curricular requirements and the adequacy of the student's personal preparation can be retrieved in the official web site.
Knowledge of a foreign language (at least B2 level) is required.

MASTER'S DEGREE PLAN

Program: 2 years / 120 CFU

FIRST YEAR	CFU
Architettura dei sistemi di Digitali	9
Algoritmi e Strutture Dati	9
Trasmissione dei Segnali Digitali	6
Computer Systems Design	9
Ricerca Operativa	9
Calcolo Numerico	6
Software Architecture Design	9

SECOND YEAR	
Impianti di Elaborazione	9
Attività formative curriculari a scelta dello studente	18
Attività formative a scelta dello studente	15
Altre attività formative	12/3
Stage o tirocini presso imprese (Internships and work placements)	0/9
Prova finale (Master Thesis)	12

The curricular activities chosen by the student can be selected from the following areas:

Data Engineering and Artificial Intelligence
Information Systems and Business Intelligence (ITA)	6
Machine Learning (ITA)	6
Big Data Analytics (ENG)	6

Embedded Systems for Industry and IoT
Distributed Systems (ITA)	6
Real Time Industrial Systems (ENG)	6
Embedded Systems (ITA)	6

Internet and Networks
Computer Networks Design and Management (ENG)	6
Web and Real Time Communication Systems (ENG)	6
Wireless and Mobile Networking Architecture (ITA)	6

Cyber Security
Secure Systems Design (ENG)	6
Network Security (ENG)	6
Software Security (ITA)	6

JOB OPPORTUNITIES

Graduates in Computer find employment in a wide range of occupations, both at national and international level, in the following areas:
- research centers belonging to public or private bodies,
- engineering and manufacturing companies operating in the hardware and software production,
- information systems,
- computer networks,
- companies providing IT services for the public administration and wherever there is the problem of information processing and management.

FURTHER STUDIES

Computer 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.