REASONS TO APPLY

Because Computer Science is pervasive and allows you to grasp the latest technologies and tackle fascinating problems in every area, from finance to graphics, from cybersecurity to art.

Because IT industries appreciate the refined skills offered by a master's degree in Computer Science.

Because it's possible to carry out the final project within national and international research and development activities.

Because , just one year after graduation, the unemployment rate of our graduates is zero and their salary three years after graduation is higher than the national average (source: Almalaurea survey, 2018).

Because the demand for master's graduates constantly exceeds the supply, allowing graduates ample choice of jobs and locations, in Italy or abroad.

Because master's graduates in Computer Science can apply to the Italian Register of the Engineers (Ordine degli Ingegneri).

Coordinator of MSc degree in Computer Science
Prof. Adriano Peron
adriano.peron2@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

Computer Science Degree links
informatica.dieti.unina.it
www.facebook.com/pages/category/Education/Informatica-DIETI-UniNa-906013592820340/

Degree Program Counselors
Prof. Marco faella
marco.faella@unina.it

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
COMPUTER SCIENCE

DIE TI. UNI NA

2020|21

LEARNING OUTCOMES

The program Laurea Magistrale in Informatica provides advanced skills in the main methodological, theoretical and technical fields of modern Computer Science with the main goal of strengthening   problem solving and innovation abilities. The courses of the program provide methodologies and techniques to face the challenges of the modern Computer Science:

- Artificial Intelligence
- Data Science
- Security and privacy
- Computer Games
- Reliable Software Systems

ADMISSION REQUIREMENTS

The condition of admission to the program is either the degree in Computer Science of the University of Napoli "Federico II" (Laurea in Informatica, classe L31) , or other (Laurea) degrees provided that the following minimal requirements are satisfied:

- At least 18 CFU in mathematics courses;
- At least 50 CFU in computer science courses.

MASTER'S DEGREE PLAN

Program: 2 years / 120 CFU

FIRST YEAR	CFU
Machine Learning	12
Advanced databases	12
Logic for computer science	6
Operating systems for mobile, cloud and IoT	6
Parallel and distrib. computing	6
Computational complexity	6
Free choice	6
Constrained choice	6

SECOND YEAR	
Intelligent Web	6
Operations research	6
Free Choice	12
Constrained choice	6
Master Thesis	30

Constrained + Free Choices

Artificial Intelligence
Methods for AI, **Computer Vision**, Data analytics, Formal methods for strategic reasoning, Human- Robot interaction, Intelligent robotics, Natural lang. proc., Social ethical and psychological issues in AI

Data Science
Algorithm design, **Data analytics**, Bioinformatics, Biometric syst., Combinatorial opt., Natural lang. proc., Parallel high perf. Comp.

Security and Privacy
Security and privacy, **Biometric syst**, Authomated verification, Encoding and encryption, Mathematics for cryptography, Network security, Secure systems design

Computer games
Game design and develop., Computer graphics, Game engines and int. exp.,
Methods for AI, Multim. Inf. Systems, Prog. Lang. II

Reliable SW Systems
SW project manag. and evolution, **Automated verification**, **Algorithm design**, Prog. Lang. II, SW testing, Secure systems design

JOB OPPORTUNITIES

The students possessing a Master's degree in Computer Science (Laurea Magistrale in Informatica) have great professional opportunities both in Italy and abroad, with high qualified roles in the following working contexts:

- Information technology companies
- Freelance, Start-up
- Research and deployment in large Inf. Tech. companies
- Public institutions
- University and Research institutions
- Teaching

FURTHER STUDIES

Computer Scientist twith 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, Monte S. Angelo, Via Cintia, Napoli.