A strong international exposure providing essential
full administrative support to
Students are supervised by internationally renowned
during their Master, students will have access to cutting-edge
EURECOM is a consortium of leading international
located in Sophia Antipolis, Europe’s
The teaching program benefits from a unique location and
were severely lacking security functions.
their earlier counterparts like the original Internet protocols that
include sophisticated security mechanisms as opposed to
wireless and mobile standards, peer-to-peer applications all
building block of all computer and communications systems
Security mechanisms therefore are embedded as an essential
specialists involved in the design of networks and applications.
requirement both for users of on-line services and for technical
communications and computer systems became an important
As the main countermeasure to these problems, security of
impediment to further development in the computer and
network operation, security problems are viewed as the major
ranging from simple spoofing or tampering of personal data
ENVIROMENT

IMT - 2019
DIGITAL SECURITY
MASTER OF SCIENCE

ADMISSION REQUIREMENTS
Entry requirements include a Bachelor’s degree in the engineering fields covered by the Master program (Electrical engineering / computer sciences / communication engineering...).

LANGUAGE REQUIREMENTS
- English (at least one of the following)
  - Mother tongue;
  - English Language Qualification
    - TOEFL 564 (PBT), 213 (CBT), 80 (IBT)
    - TOEIC: 750
    - Cambridge CAE

APPLYING
All applications should be made online:
https://www.eurecom.fr/en/postulant/new
The website provides full information on application procedures:
http://www.eurecom.fr/en/teaching/master-science

COMPETENCES ACQUIRED
- Solid background in design & management of security in computer and communication systems
- Design of secure communications systems
- Protection of existing systems
- Expertise in theoretical foundations of security
- Hands-on experience with software and networking systems
- Knowledge of security applications in communications and information systems
- Security skills as a complement to networking (mobile & fixed), image processing and software engineering

TYPICAL JOBS
- Security architect
- Security officer
- Network manager
- Security consultant
- Software Engineer with strong security expertise
- System Engineer with strong security expertise
- Telecommunications Engineer with strong security expertise

PROFESSIONS
By providing security skills as well as a solid competence in widely demanded fields like mobile networking, web engineering and image processing this Master broadens the employment sector from security specialists to a range of companies in the IT field that need and highly value additional security expertise. Potential employers thus include companies specialized in security fields such as
- Network and Software Security Manufacturers (Firewall, IDS, Antivirus...)
- Network and Software Security Service Providers (Security consulting, ethical hacking services)
but also companies in the broader field of ICT as follows
- Hardware and software manufacturers
- Professional Services (consulting, project management)
- Communication equipment manufacturers
- Network operators
- Application providers

COST
Tuition fees for the full program (2 years):
€12,000
€6,000 (European Union and Erasmus zone)
Possible partial fee waivers and scholarships.

DURATION
2 years (starting in september):
3 semesters of courses followed by a 6- month paid internship in a lab or company.

LODGING
Accommodation is organised with the Administration Staff of EURECOM in student halls of residence, rooms or shared flats.

SCHOOL CONTACTS
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