Double Master Degree Programs

January 2021
KEY FACTS ABOUT EURECOM

- 300 Master students
- 75 PhD students
- 26 Professors

Main fields of research and teaching:
- Data Science
- Digital Security
- Communication Systems

A consortium of:
- 9 universities
- 5 companies
- 1 institution
from 10 countries

300 Days of sun on the French Riviera
EURECOM is part of a brand new campus called SophiaTech and benefits from cutting-edge facilities.
Where do EURECOM students live?

- Antibes: 48%
- Biot / Valbonne: 32%
- Cannes: 10%
- Nice: 5%
- Others: 5%
EUROPEAN SILICON VALLEY

EURECOM is located in the heart of **SOPHIA ANTIPODOS**

One of the largest techno-parks in Europe

Some of the top companies offering internship opportunities to our Master & Post Master students:

- SAP
- BMW
- monaco telecom
- Symantec
- iABG
- orange
- NVIDIA
- IBM
- HP
- THALES
- Alcatel-Lucent
- Amadeus
- SOFTWARE LABS
- SIEMENS
- ARM
- FORTINET
- DLR, NXP, Magneti Marelli, PSA, KMPG, Delivery Hero Germany, Technicolor, HP, Nokia, CEA, Accenture

60% of EURECOM’s Graduates currently work in Sophia Antipolis
Diversity is not the exception: it’s the norm!
Research Areas At Eurecom

**Data Science**

- Computational Statistics, Machine Learning, Artificial Intelligence, Knowledge Management and Extraction, Data Mining, Distributed Systems and Algorithms, Big Data Systems, Database Systems and Theory

**Digital Security**


**Communication Systems Dept.**

- Information and Communication Theory, Systems and Protocols for Cellular and Heterogeneous Networks, Device-centric and Machine communications, IoT, Cloud and Mobile Computing architectures, Open Source 5G Platforms, Vehicular Networks and Intelligent Transportation Systems
INTERNATIONAL FACULTY

26 Professors
14 nationalities
IMPRESSIVE RESEARCH IMPACT

EURECOM’s Faculty has achieved world-wide recognition in their field thanks to major research achievements

- **332** Scientific Publications
- **207** Top International Conferences
- **29** Average H-Index

**4 ERC Grant:**
- 3 in Mobile Communications and 1 in Digital Security

EURECOM is a partner in Europeans Double Degree Masters programs

- Big Data Security
- Sensing, Communicating and Processing Big Data for IoT
- Mobile Systems and Security
We have different Double degree Master programs.

They include two Academic Semesters in each university followed by a last semester of co-supervised Master’s thesis based on an internship.

Students obtain two master’s degrees: 1 from Politecnico and 1 from EURECOM.
CONTENT OF THE CURRICULUM

Technical Courses
- Innovative courses, designed in partnership with EURECOM’s academic and industrial members.
- Regularly assessed and updated.

Non Technical Courses
- 1/3 of the curriculum. « Soft skills » MBA type classes taught by experts from companies or professors from renowned business schools in Law, Management, Business simulation…

Semester Projects
- Blend of theoretical and practical work under the supervision of a professor, often involves the building of a prototype. In teams of 2/3 students. (Around 90-100h per semester)

Foreign Languages
- Any foreign language can be taught provided there are 5 students min. with a similar level.

Master’s Thesis
- Thesis on an industrial or research subject carried out in a company or a lab during 6 months. EURECOM maintains an updated database.
- Students are paid and integrated as part of the company’ staff.
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<tr>
<th>Master @ POLITO</th>
<th>Master @ EURECOM</th>
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<tr>
<td>Master of science in Communications and Computer Network Engineering (CCNE)</td>
<td>4 options of Master:</td>
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<td>Data Science,</td>
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<td>Internet of Things,</td>
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<td>Master of science in Electronic engineering</td>
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<td>Master of science in Cinema and media engineering</td>
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ADDITIONAL DETAILS

• ACCREDITATION:
The Master’s degree @EURECOM is recognized by the French Ministry of Higher Education and Research. The degree is delivered by EURECOM and INSTITUT MINES TELECOM.

Institut Mines Telecom: public institution dedicated to higher education, research and innovation in engineering and digital technologies. It brings together schools ranking among the leading graduate schools in France.

• DURATION: 5 Semesters: 2 at Polito in year 1 + 2 at EURECOM in Year 2 + 1 co-supervised Master Thesis based on an internship) = 150 ECTS
- October-February / March-June / September-February / March-June: 4 semesters of courses
- From July: Master thesis based on a paid 6-month professional internship in industry/lab

• LANGUAGE OF TEACHING: the whole program is entirely taught in ENGLISH. Prior French knowledge is not required. French will be taught as part of the curriculum.

• A FLEXIBLE and HANDS-ON CURRICULUM:
The curriculum is very flexible: students can design their own LEARNING AGREEMENT since most of IT is made of elective courses to be chosen in a large list.
The approach is very hands-on to ease the integration of students into the industrial market. The curriculum is made of lectures, seminars, exercises of practical application (lab sessions), supervised projects in teamwork and a professional internship in a company.
INNOVATIVE METHODS

• Use of customized platforms:
  - Cloud platform Zoe
  - OpenAir Interface (5G)

• Use of cutting-edge software (Jupyter)

• Students projects in cooperation with researchers

• Participation & organizations of competitions (such as DEFCON Capture the Flag)
  - 2nd place at CSAW 2017 (Europe)

EURECOM’ Students rank high in national hacking challenges!
EUROPEAN SILICON VALLEY

EURECOM students can browse a database of several hundreds of offers, fueled by the efficiency of its network of partners and relationships with local, national and international companies.

Some of the top companies offering internship opportunities to our Master & Post Master students:

- SAP
- BMW
- monaco telecom
- Symantec
- IABG
- Orange
- amadeus
- Software Labs
- Siemens
- arm
- Fortinet
- DLR, NXP, Magneti Marelli, PSA, KMPG, Delivery Hero Germany, Technicolor, HP, Nokia, CEA, Accenture
- NVIDIA
- IBM
- Hitachi
- Alcatel-Lucent
- Renault
- Thales
ENHANCED EMPLOYABILITY

DURING

- Very strong ties with major actors in industry, not only in Sophia but in the whole world

- 6-month Paid Master Thesis in a company or lab (EURECOM provides students with an updated Database of internship opportunities)

AVERAGE MONTHLY ALLOWANCE (FRANCE): 1200€/month

AFTER

- 99% of our Graduates find a job between 0 - 12 months after graduation (93% from 0 to 3 months)

- 75% have an annual salary between 40K€ and +75K€

- 97% satisfied by EURECOM’s education

- 90% declare professional career = career aspirations
LANGUAGE AND CULTURAL TRAINING

• A 3-week Intensive program of French language and cultural visits organised in September

• Included in the program (Free of charge for Exchange Students)

• Weekly French courses throughout the academic year
INDIVIDUAL ASSISTANCE

• Human-size school: a very good professor / student ratio

• A whole team dedicated to student’s administrative life
  
  o Airport pick-ups
  o Administrative assistance: Health insurance, Housing, Bank account, Doctors, Internships…
  o A very comfortable atmosphere!

EURECOM
Student Affairs Team
FANCY LIVING IN A VILLA?
EURECOM has a very active Student’s association organises many events all year long to fully enjoy your stay in France.

- Weekend of Integration
- International Meal
- International Study trip
- Ski Weekend
- Many sport activities
- Graduation and Alumni Events
EURECOM’s localization allows our students to enjoy culture, sports and discovery.

60 km from Italy

Gateway to main European Cities with low cost flights

Like the cinema? Enjoy the Festival de Cannes

Fine Arts
1h30 from the sky slopes
30 min the beach
TOP 5 REASONS TO STUDY AT EURECOM

1. **International**
   - 100% in English
   - 70% foreign professors and students
   - Make friends from all over the world and work with different perspectives!

2. **EURECOM’s size ensures greater proximity with staff and professors.**

3. **Availability**
   - Classes are fueled by cutting-edge research and tight links with industry

4. **Location**
   - Combine high quality study and leisure on the French Riviera!

5. **Quality**
   - Design your own curriculum by choosing among a large list of technical and non-technical classes
CONTACT DETAILS

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