DOUBLE DEGREE PROGRAM AT EURECOM

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KEY FACTS

- **1991**  Creation by EPFL and Telecom ParisTech
- **300**  Master Students
- **23**  Professors
- **100%**  Curriculum in ENGLISH
- **300**  Days of Sun per year

3 Main Fields of Expertise
- Data Science
- Comm. Systems
- Digital Security
UNPARALLELED LOCATION

• French Riviera (Between Nice and Canne)
• 30 min from France 2nd biggest International Airport
• Ideal for sport lovers (close to beaches and ski slopes)
• At the heart of SOPHIA ANTIPOLIS: Europe’s largest techno park.
EURECOM is located in the heart of SOPHIA ANTIPOLIS, Europe’s largest Techno-Park.

- 2,200 companies,
- 31,000 jobs
- 4,500 researchers
- More than 5,000 students
- 70 nationalities
EURECOM is part of a recent Campus, SOPHIATEH CAMPUS
SMALL IN SIZE but BIG in VISIBILITY!

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

• **208** Quotations in National and International Media

• **268** Scientific Publications

• **161** Top International Conferences

• **24** Average H-Index

• **102** Research contracts

2 ERC Grant in Mobile Communications

*Figures from 2015*
FIELDS OF EXPERTISE

• Digital Security
  – System and Software Security
  – Embedded System Security
  – Applied Cryptography and Security Protocols
  – Signal Processing for Security and Biometrics
  – Security and Privacy for Big Data and Cloud Computing

• Data Science
  – Big Data and Cloud Computing Systems
  – Machine, Deep and Adversarial Learning, Statistical Inference
  – Information Extraction and Retrieval
  – Open and Linked Data and Semantic Web

• Communication Systems
  – Information and Communication Theory
  – Systems and Protocols for Cellular and Heterogeneous Networks
  – Device-centric and machine type communications, Internet of Things
  – Analysis of large-scale radio systems
  – Cloud and Mobile Computing Architectures
  – Open source 5G (OpenAirInterface International Software Alliance)
  – Vehicular proximity networks and ITS (Intelligent Transportation Systems)
Every year, BMW, TUM and EURECOM organise a Summer School on « Connected Vehicles »

The Summer school was quoted in the cooperation agreement signed between the French Republic and Bavaria on 21/05/2015
The Double degree program includes two Academic Semesters followed by a Master’s thesis. Students obtain the «Titre d’Ingénieur» from TélécomParisTech and a Diploma from EURECOM.
Courses are organised into 4 Study Tracks with several compulsory courses and the rest being elective. More information: [http://www.eurecom.fr/en/teaching/engineering-studies/18-months-curriculum](http://www.eurecom.fr/en/teaching/engineering-studies/18-months-curriculum)
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 Project**
  - 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’s staff.
EURECOM provides students with a database of Master’s thesis opportunities in labs and companies in France and abroad.
HANDS-ON APPROACH

• Balanced approach between theoretical input and practical application (Labs, Challenges..)

• Guest Speakers from the Industry

• Semester long projects on relevant industrial topics

• Visits in nearby companies and introduction to new technologies
INNOVATIVE LEARNING METHODS

• Use of customized platforms:
  o Cloud platform Zoe
  o 5G OpenAirInterface

• Use of cutting-edge software (Jupyter...)

• Students encouraged to participate in Hacking Challenges (cf: CTF Team in Digital Security)

• Courses filming to allow replays
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 ADMINISTRATION ASSISTANCE

• Human-size school: Accessible professors and staff

• A whole team dedicated to student’s administrative life

• Office open all day during working hours
  o Airport pick-ups
  o Administrative assistance: Health insurance, Housing, Bank account, Doctors, Internships...
  o A very comfortable atmosphere!

EURECOM Student Affairs Team
From your arrival until your graduation, the Student Association will make sure you make the most of your time!

- Freshers’ Weekend
- Many sport activities
- International Study trip
- Ski weekend
- End of the year weekend
- Graduation Ceremony
TOP 5 REASONS TO STUDY AT EURECOM

INTERNATIONAL
A strong international Environment
2/3 foreign professors and students
Make friends from all the over the world
and work with different perspectives!

LOCATION
Combine high quality study and leisure on the French Riviera!

AVAILIBILITY
EURECOM’ size ensures greater proximity with staff and professors.

QUALITY
Classes are fuelled by Cutting-Edge Research and Tight links with Industry

FLEXIBILITY
Design your own curriculum by choosing among a large list of technical and non technical classes
MEDIA RESSOURCES

Video made by EURECOM’ students

Activity report Research and teaching highlights

Faculty Directory

Complete list of technical courses

Complete list of non technical courses

Student’s Project example (drone)

Research report

Presentation of ERC-PERFUME project
PACK YOUR SUITCASE AND JOIN US FOR A UNIQUE LIFE EXPERIENCE!