



**POLITECNICO
DI TORINO**

Double Master Degree Programs



January 2021

KEY FACTS ABOUT EURECOM

300 Master students

75 Phd students

26 Professors

A consortium of

9 universities

5 companies

1 institution

from
10 countries

3

Main fields of
research and
teaching

Data Science

Digital Security

Communication Systems

300

Days of sun
on the
French Riviera





Membres académiques

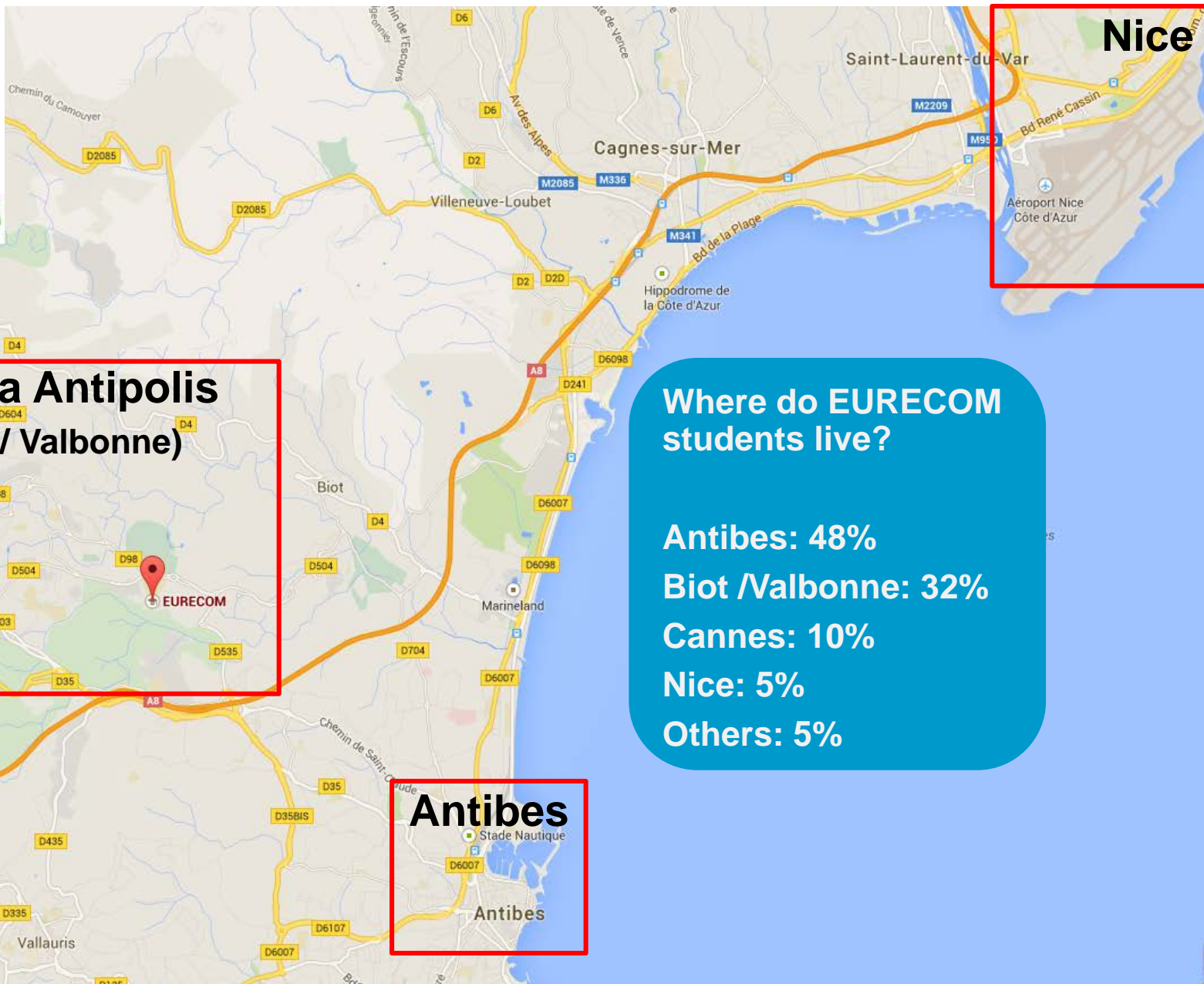


Membres industriels et institutionnels



EURECOM is part of a brand new campus called SophiaTech and benefits from cutting-edge facilities





EUROPEAN SILICON VALLEY

EURECOM is located in the heart of SOPHIA ANTIPOLIS



2,330	companies
36,300	jobs
4,500	researchers
5,000	students
70	nationalities

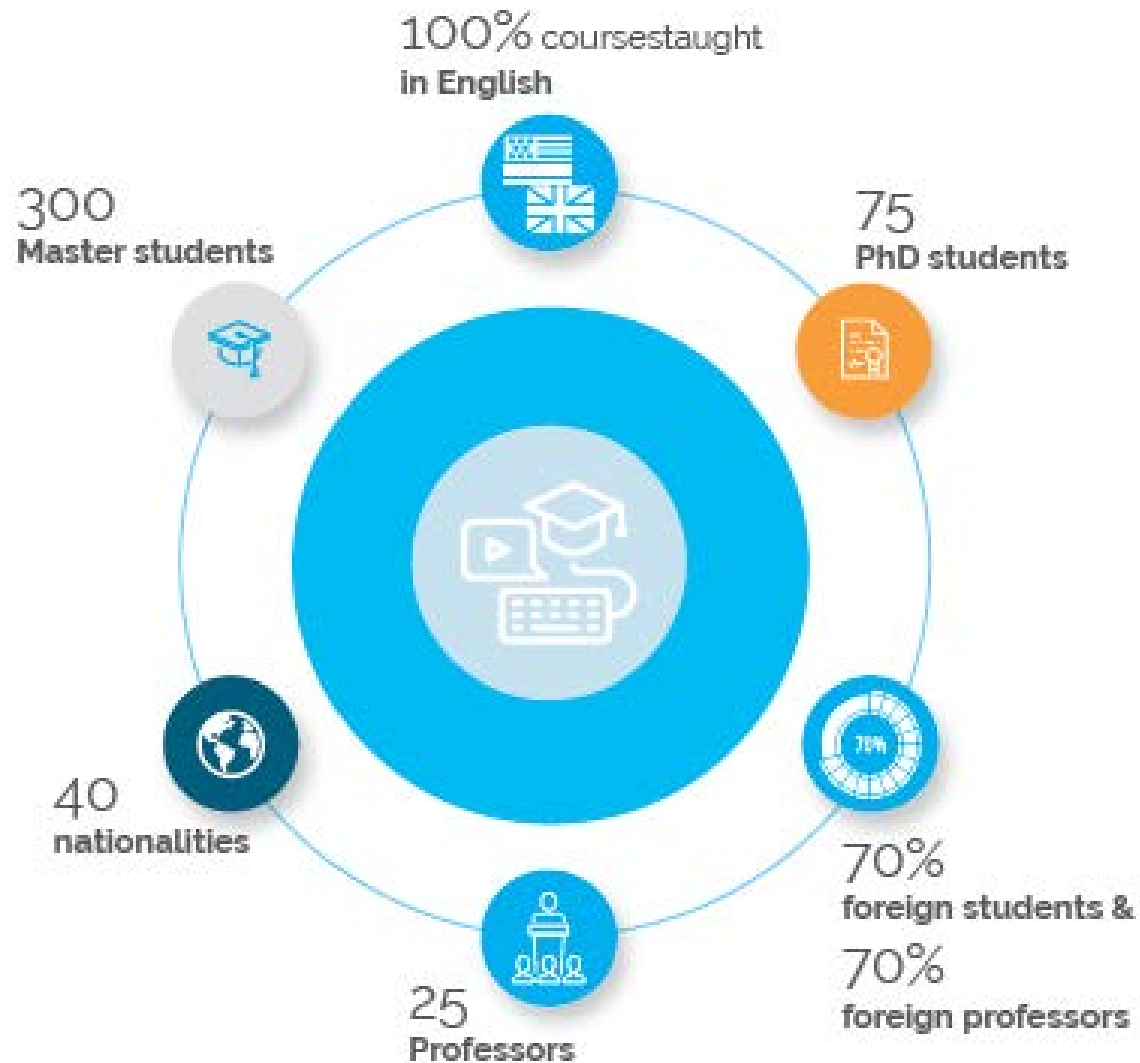
One of the largest techno-parks in Europe

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



DLR, NXP, Magnetti Marelli, PSA, KMPG, Delivery Hero Germany, Technicolor, HP, Nokia, CEA, Accenture

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

- Applied Crypto, Network and Software Security, Biometrics, Systems Security, Image and Speech processing for Security Applications, Security and Privacy for Cloud Computing and Big Data

Communication Systems Dept.

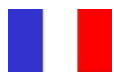
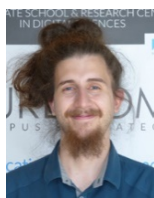
- Information and Communication Theory, Systems and Protocols for Cellular and Heterogeneous Networks, Device-centric and Machine communications, IoT, Cloud and Mobile Computing architectures, Open Source 5G Platforms, Vehicular Networks and Intelligent Transportation Systems

INTERNATIONAL FACULTY



26 14

Professors 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



STUDENT MOBILITY AT A GLANCE

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

FALL SEMESTER
30 ECTS

SPRING SEMESTER
30 ECTS

FALL SEMESTER
30 ECTS

SPRING SEMESTER
30 ECTS

Co-supervised
MASTER THESIS
30 ECTS



**POLITECNICO
DI TORINO**



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DI TORINO**

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.

MOBILITY MAPPING

Master @ POLITO

Master of science in Communications and Computer Network Engineering (CCNE)

Master of science in ICT for Smart Societies (ICT4SS)

Master of science in Electronic engineering

Master of science in Cinema and media engineering

Master of science in Computer engineering

Master @ EURECOM

4 options of Master:

Data Science,
Internet of Things,
Mobile computing systems or
Digital Security

2 options of Master:

Data science or
Internet of Things

2 options of Master:

Mobile computing systems or
Internet of Things

1 option of Master:

Data Science

4 options of Master:

Data Science,
Internet of Things,
Mobile computing systems or
Digital Security

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.

INNOVATIVES 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)

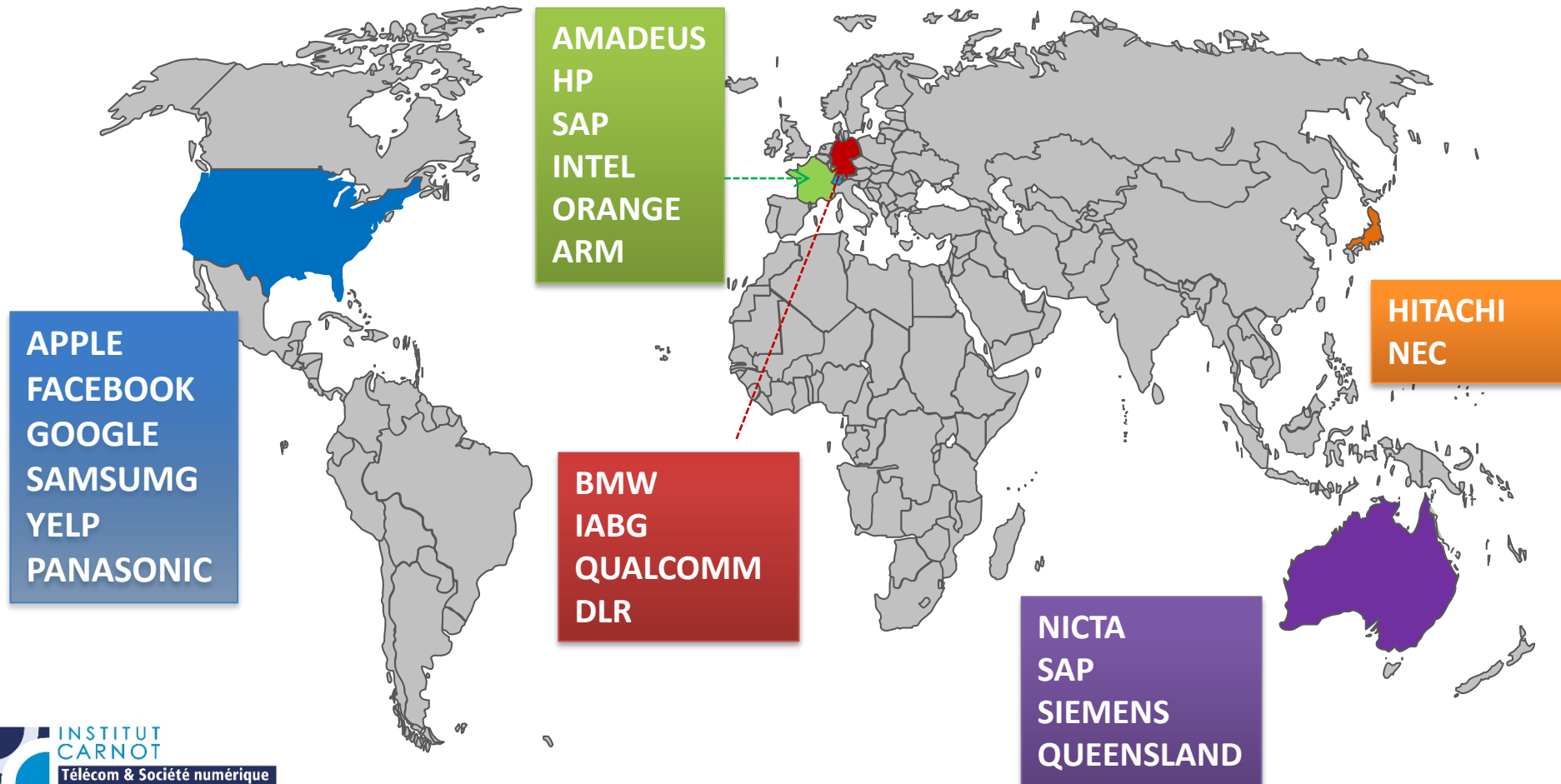


EURECOM' Students rank high in national hacking challenges!



Master Thesis Opportunities

Worldwide



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:



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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**
 - **Airport pick-ups**
 - **Administrative assistance: Health insurance, Housing, Bank account, Doctors, Internships...**
 - **A very comfortable atmosphere!**



EURECOM
Student Affairs Team

FANCY LIVING IN A VILLA?



STUDENT ACTIVITIES

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

STUDENT ACTIVITIES

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



Fine Arts



**Like the cinema ?
Enjoy the Festival de Cannes**

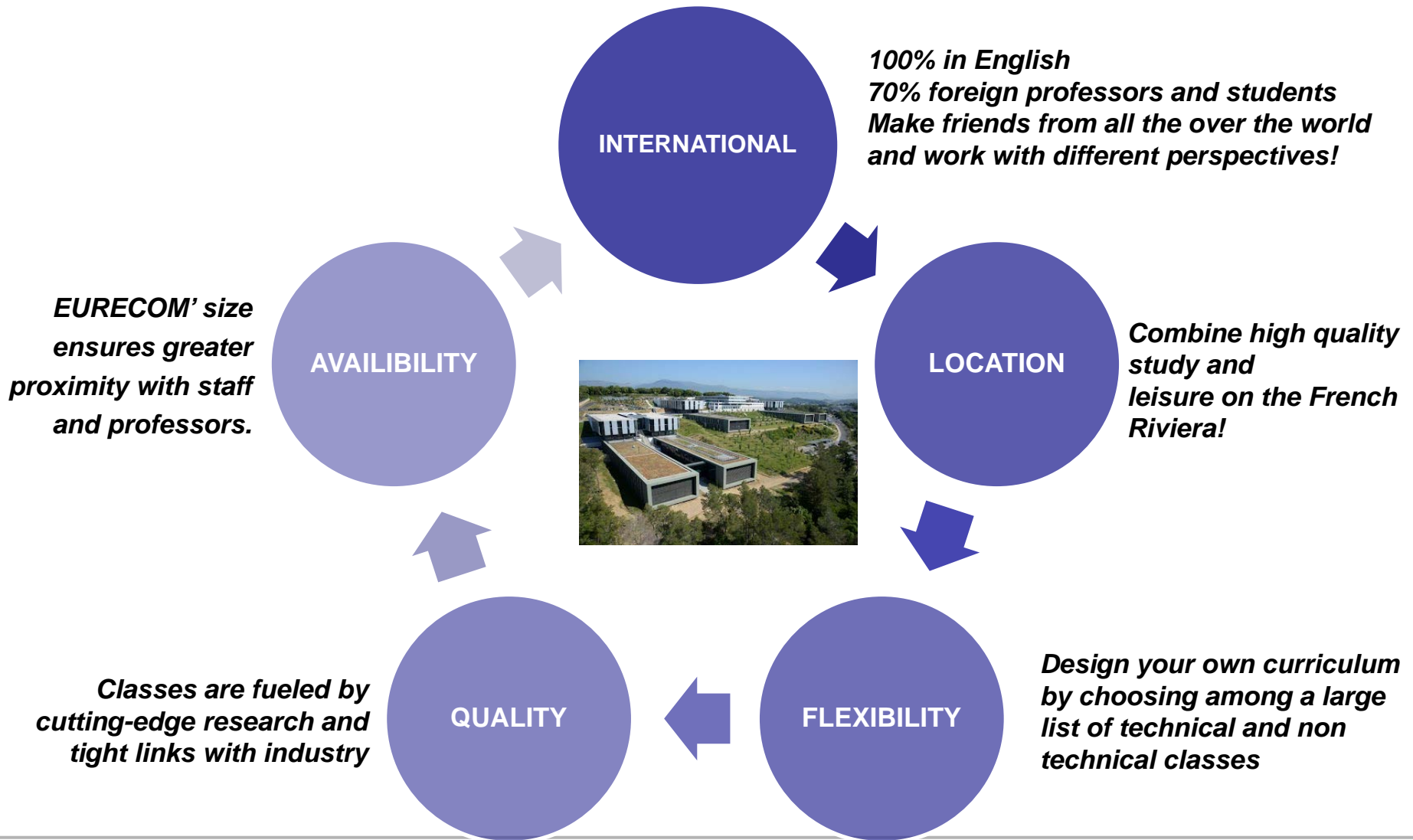
***1h30 from the sky
slopes***



30 min the beach



TOP 5 REASONS TO STUDY AT EURECOM



CONTACT DETAILS

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