ENTER A DOUBLE DEGREE PROGRAM WITH A FRENCH PARTNER SCHOOL

Earn a Graduate Engineer Degree from a French top-ranked School of Engineering and Applied Sciences

INSTITUT POLYTECHNIQUE DE PARIS

ÉCOLE POLYTECHNIQUE

ENSTA

ENSAE

TELECOM Paris

TELECOM SudParis

Double-degree programs of the Institut Polytechnique de Paris

ENSTA Paris
Telecom Paris
Telecom SudParis

International admissions

RÉPUBLIQUE FRANÇAISE
Liberté
Égalité
Fraternité

ip-paris.fr

WHY ENTER A DOUBLE DEGREE PROGRAM?

•French engineering schools offer many programs that will have you gain a valuable skillset in your area of choice.

•You get to study in two different countries, master two languages and experience two cultures.

•It enables you to develop your academic and professional networks at the global scale (through internships).

•It gives you an advantage over other candidates for any position / PhD program.

•It is a real asset to work later in a field where international exposure is key.

WHY CHOOSE FRANCE?

•Excellence of the Higher Education system (20% of the national budget is devoted to education)

•French is the 3rd most important language for business in the world after English and Mandarin Chinese

•France is the 5th Economic Power in the World

•The country combines arts, history and quality of life with science, high technology & innovation

•6th destination in the world for international students

•9 out of 10 international students recommend France as first study destination

WHY CHOOSE PARIS?

- 9th Named World's Best Student City (QS)
- 6th most innovative city in the World
- 70 000 foreign students (20% of students in Paris area)
- 95 500 researchers
- 816 000 companies & 1/3 of the foreign companies in France
- 1st Region in Europe for R&D

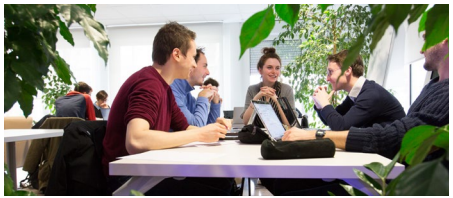
https://www.topuniversities.com/university-rankings-articles/qs-best-student-cities/paris
https://www.topuniversities.com/city-rankings/2019

WHY IP PARIS?

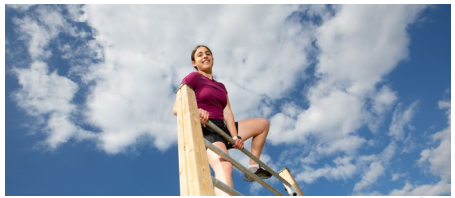
A MODERN AND GREEN CAMPUS CLOSE TO PARIS

INSTITUT POLYTECHNIQUE DE PARIS

TO STUDY



TO LIVE



TO INNOVATE

EXCELLENCE IN EDUCATION

Excellence since 1741

World's top 50 universities (QS, CWUR)
QS ranking by Subjects :
Maths 14th, Engineering & Tech 21st, Statistics & Operational research 24th, Computer Science 31st, Physics 40th,

- **95% Employability** rate 4 months after graduation
- **QS Graduate employability ranking** :
  N°12 World, N°1 France

50 000 euros/year
Average gross **salary** after graduation

30%
international faculty members

INSTITUT POLYTECHNIQUE DE PARIS

EXCELLENCE IN RESEARCH AND INNOVATION

Cross-disciplinary research

Leader in **world-class research activities**

Close collaboration with **companies**

Among **top 8 innovation clusters**
In the world

High level of **entrepreneurship**

INSTITUT POLYTECHNIQUE DE PARIS

THE *DIPLÔME D'INGÉNIEUR*

Bachelor

3Y

Cycle ingénieur

3Y

Master / MSc&T

2Y

PhD / PhD Track

2Y + 3Y

Executive Master

14 M

Mastères spécialisés

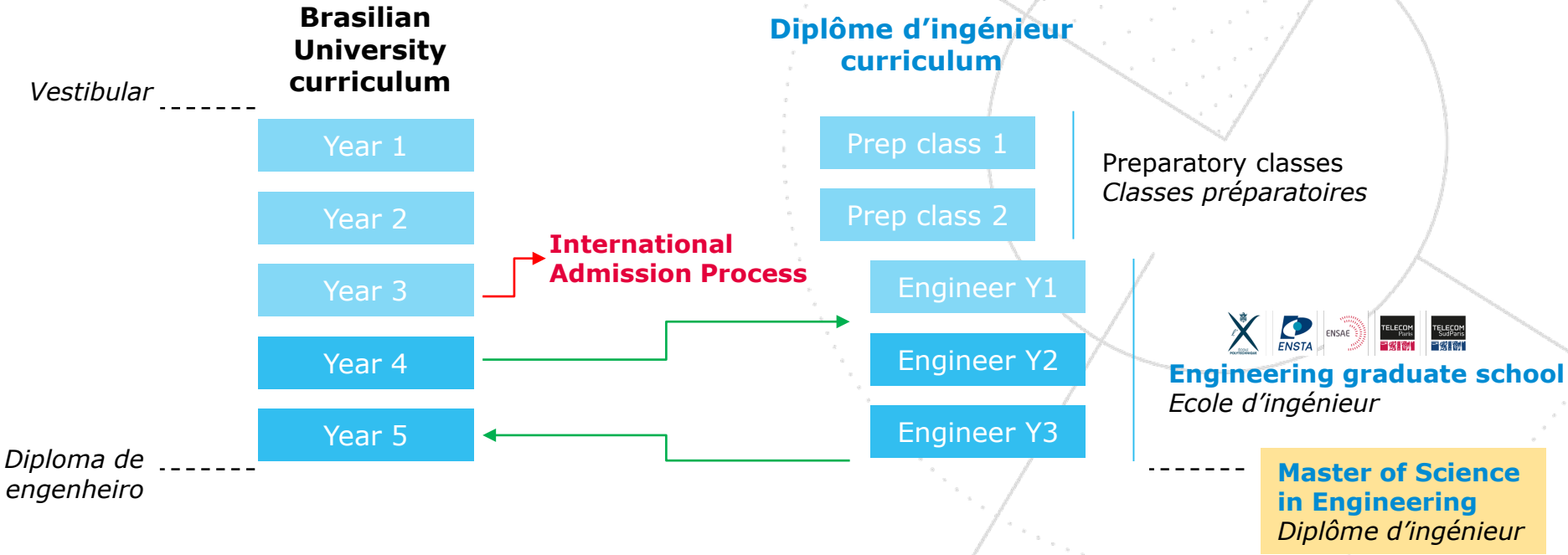
Executive Education

THE *DIPLÔME D'INGÉNIEUR*

- **Master's Degree recognized worldwide**
- **High level education based on a highly selective system**
- **Multidisciplinary education:**
  - Fundamental sciences: mathematics and physics particularly, chemistry
  - Engineering sciences
  - Economics
  - Business, management, innovation and entrepreneurship
- **Soft skills:** communication, critical thinking, social environment

- **International skills:** languages, geopolitics, mobilities
- **Strong interaction with companies:** several opportunities to carry out internships
- **Personalized curriculum**
- Possible combination with the **PhD-track**

BRAZIL – FRANCE DUAL DEGREE MOBILITY



REQUIREMENTS

- ✓ **Ongoing studies** in Science or Engineering at a partner institution with a double degree agreement with us

ENSTA TELECOM Paris TELECOM SudParis

- ✓ Excellent background in **Mathematics, Physics** and **Engineering sciences**
- ✓ **French** or **English** proficiency
- ✓ **Global awareness**
- ✓ **Nomination by your University**

International admission process

- **One Admission process:**
  - Online application and nomination by your University : June to Sept 30

    https://admission.ip-paris.fr/
  - Notification of eligibility: October 8
  - Interviews for pre-selected candidates: October 11 to October 29
  - Selection of school preferences: October 30 to November 3
  - Final acceptance from one school: November 15
  - Reception of acceptance letters: December 2022 to March 2023
  - Term starts: September 2023

Tuition fees, cost of living and scholarships

Tuition fees per year	ENSTA	TELECOM Paris	TELECOM SudParis
Non-EU students	4 650 €	4 150 €	2 650 €
EU students	2 650 €	2 650 €	2 650 €
Dual Degree students	Y1: 1395 € Y2: 1395 €	Y1: 0 Y2: 2 650 €	

Estimated cost of living:
800 € / month

- *Fees are revised every year by each school and can be subject to modification*
- Schools provide scholarships and or tuition fees reductions/exemptions (see websites)
  Grants, scholarships or loans can be available based on excellence or social criteria
- Other scholarship programs: **Eiffel excellence scholarships, French Government scholarships** (contact French Embassies), other programs (CSC, BRAFITEC...)
- Internships lasting more than 2 months must be paid.

A MULTIDISCIPLINARY CURRICULUM

	INSTITUT POLYTECHNIQUE DE PARIS	ENSTA	TELECOM Paris	TELECOM SudParis
Chemistry, Biology and Health				
Economics and Quantitative Sociology				
Actuarial Science				
Energy		✓		
Nuclear Engineering		✓		
Computer Science and Artificial Intelligence		✓	✓	✓
Information and Communication Engineering		✓	✓	✓
Mathematics, statistics, Data Science		✓	✓	✓
Engineering Mechanics		✓		
Physics		✓	✓	✓
Transport, Mobility		✓		
Innovation, Entrepreneurship		✓	✓	✓

And also: Design, Innovation, Entrepreneurship, Sustainable development

ENSTA Paris at a glance

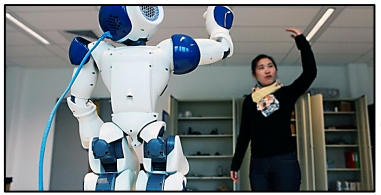
Founded in 1741
800 students
~250 graduates every year
30% international students
2 offshore campus (Tunis & Shanghai)
30% women

135 faculty members
650 lecturers (70% from industry)

Education :
Transportation
Energy
Complex Systems Engineering
Mathematical Engineering

Cross-disciplinary Research:
Applied Mathematics
Mechanical Engineering
Computer Science & Systems Eng.
Chemistry and Chemical Eng.
Applied Optics
Applied Economics

Our values : To **guide**, **invent** and **educate** in **engineering**, relying on scientific and technical excellence, **enhanced by digital technology**, in order to support the transformations of major strategic sectors, at the crossroads of the fundamental expectations of society and global challenges.



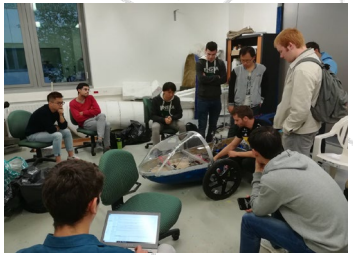
ENSTA Paris at a glance

Modern infrastructures

430 apartments

on the IP Paris Campus

A vivid student life with more than 60 student associations



Ig : Br.ENSTA

Engineer curriculum at ENSTA Paris

YEAR 2 - *1 Major & 1 Minor*

Law, economics, management, communications & languages

Research project (10-15 weeks internship)

Mechanical Engineering

Sustainable energy

Mechanical modelling

Smart systems

Applied mathematics

Mathematical engineering

Mechanical & physical models

Computer Science & Information systems

Artificial intelligence & cyberphysics

Software & cyber security

YEAR 3 - *Specialization*

Law, economics, management, communications & languages

Graduation project (5 months)

3 "profiles"
Engineering & design
Research & innovation
Entrepreneurship & Management

Specialization

Smart mobility and vehicle eng.

Offshore transport and energy structures

Energy in transition: production and optimization

Nuclear power eng.

Optimization and data sciences

Modelling & simulation

Quantitative finance

Maths for Health & Environment

Robotics & smart autonomous systems

Artificial intelligence & Data

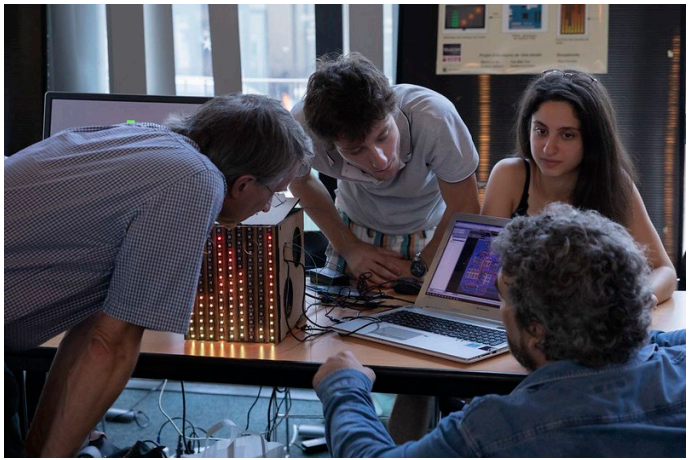
Cybersecurity

Telecom Paris

154 professors
1600 students
including 44% international students
18 300 alumni

600 international publications per year
50% of research funded by companies
153 active patents

Innovate and foster entrepreneurship in a digital world



www.telecom-paris.fr

We train top level professionals in digital by combining the fields:

- Applied mathematics
- Computer science & engineering
- Physics, electrical engineering
- Economics & social sciences

according to 3 main profiles:

- Transformers
- Entrepreneurs
- Inventors

Our research addresses the major issues of the digital revolution:

- Data science & Artificial intelligence
- Digital trust: cybersecurity, risk, reliability
- Mathematic modeling
- Image and signal processing
- Human-machine interaction
- Internet of things
- Very large networks & systems
- Digital innovation

Telecom Paris

Innovation in training

Project-based teaching methods
Free access spaces: design studio, e-Lab, FabLab
Student innovation events
Nb. 1 public French incubator in digital technology
(since 1999, over 500 start-ups created, 86% in activity, over €685M funding raised, over 5,000 jobs created)

Close links with industry

More than 300 partner companies
15 teaching and research chairs
8 joint laboratories
500 guest speakers from the business world
100+ activities with companies for students

Grafton Architects, Pritzker Prize 2020

programs taught in English

Diplôme ingénieur
Post-master

An internationalized graduate school

100+ partners in 39 countries
42 dual degree agreements in 18 countries
34% of international professors
27% of 1st jobs abroad
1 international shared campus in Shanghai: SPEIT

The French leading graduate school in ICT

Awarded professors: ERC starting & consolidator, best scientific paper, edX Prize, etc.
Famous Alumni : UBER, SIRI, LinkedIn, Google TV, ALTICE, Nao and Pepper robots

French rankings in 2022

2d in general ranking of engineering graduate schools
1st for: links with companies and industrials, international connections, salaries of first job after school…

www.telecom-paris.fr

Engineer curriculum at Telecom Paris

YEAR 2

A tailor-made Program

Courses

- 2x192h : 2 study tracks
- Scientific and Technical courses
- Personal & professional skills courses
- Projects
- Social Sciences
- Languages (2 to 3)
- Athens week

+

1 to 2 month internship (Non mandatory)

www.telecom-paris.fr

- 3D & Interactive systems
- Applied Algebra : Cryptography, Quantum information, Coding theory
- Data Science
- Distributed Software Systems
- Embedded Systems
- Image
- Infrastructures and Networks Security
- Large Digital Infrastructures
- Markets, Organizations, Data, Strategies
- Markets, Organizations, Data, Strategies
- Mathematics, Theoretical Computer Science and Operation Research
- Signal Processing for Artificial Intelligence
- Stochastic processes and scientific computing
- Telecom: from data to systems
- Wireless networks and IoT

YEAR 3

A career Preparation

- **Technological innovation**
  - 1 study track

  + a Research & Innovation Project
  + complementary elective courses (sciences, languages, humanities, etc.)

  Areas of specialization:
  - AI, Image and Data Sciences
  - Fundamentals of Mathematics & Computer Science
  - Networks, IOT and Cybersecurity
  - Digital systems
  - Innovation

OR

- **Dual Degree of Science and Engineering**
  - Master degree with a French leading partner institution

+

6 month internship

ENGINEERING THE WORLD OF TOMORROW

THROUGH DIGITAL INNOVATION

https://www.telecom-sudparis.eu/en/about-us/about-telecom-sudparis/

OUR VALUES
- Passion,
- Entrepreneurship,
- Social Responsibility & Diversity

GRADUATE PROGRAMS
- Computer Science and Information Systems
- Networks, Services and Protocols
- Mathematics and Statistical Modeling
- Image Processing and Multimedia
- Embedded Systems, Mobility and Communicating Objects
- Managing Digital Transformation

INNOVATION: OUR STRONG VALUE IN EDUCATION
- Personalized programs of study
- Entrepreneurial spirit and project-based education
- Close connections and ties with industry

RESEARCH LAB
SAMOVAR, a unique multidisciplinary research lab uniting all fields relevant to developing communications systems

TEACHING AND RESEARCH FIELDS
- Networks
- Smart Cities
- Industry of the Future
- Connected Objects
- Data Sciences
- Energy and Smart Grid
- Multimedia and Video Games
- Biometrics
- Cybersecurity
- Health and Autonomy
- Middleware and Cloud
- Intelligent Transport
- Electronic Optics and Microscopy

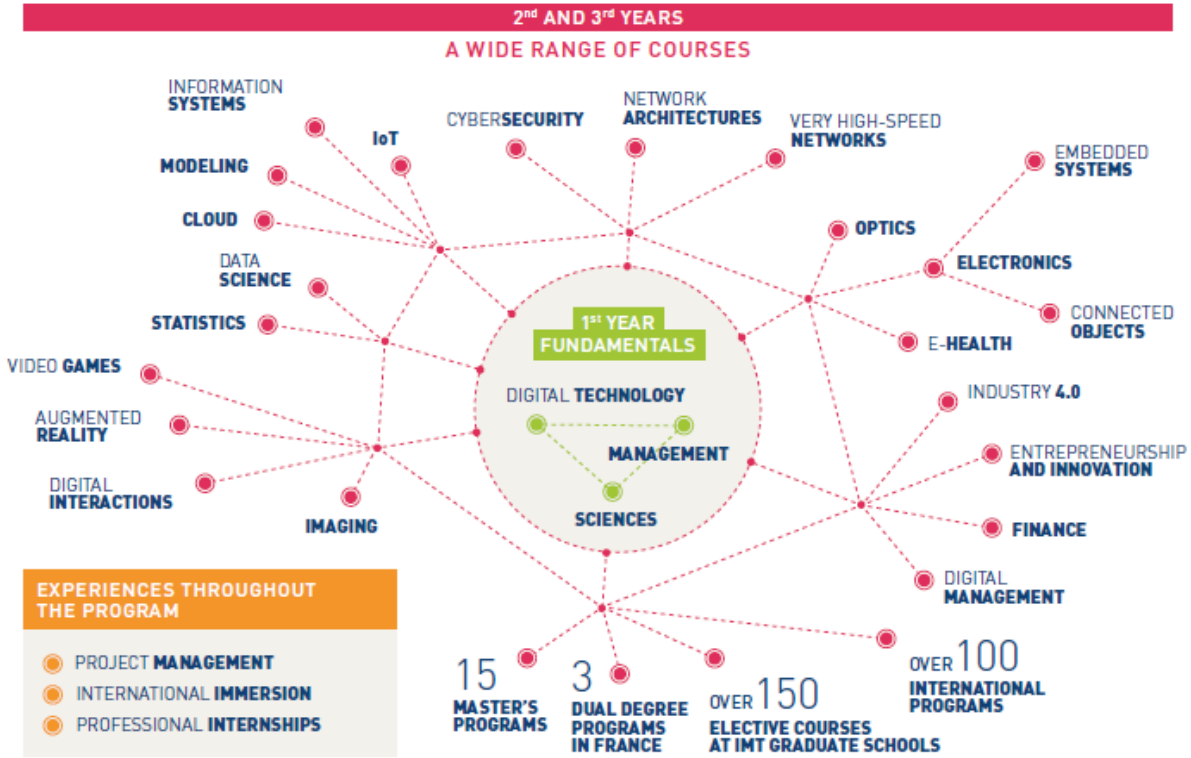
EMPLOYABILITY GUARANTEED
100% employment rate

START-UP INCUBATOR
3rd business incubator in France. IMT Starter providing premises, coaching, seed funds, international collaboration and training embedded in the ingénieur curriculum

OPEN TECHNOLOGY PLATFORMS
- Health and Dependency Living Lab
- Cloud and Networks
- Cyber-security for connected infrastructures
- Medical and Biological Imaging
- Ultra-High-Speed Networks
- Cloud for multimedia processing
- Middleware for the Internet of Things
- High-Resolution and Wide-Field Microscopic Imaging Services for Big Data

CAMPUSES
Two rapidly developing and modern campuses located in one of Europe's leading innovation clusters.

THE TELECOM SUDPARIS *INGÉNIEUR* PROGRAM



INTERNATIONAL STUDENT ADMISSIONS

A selective and competitive entrance exam:

- Written exams in Mathematics, Physics, Probability & Statistics, Information and Communications Science & Technology
- An Oral Exam in General Scientific Knowledge and a Motivation Interview
- Academic qualifications and results are also evaluated

Prerequisites:

- Bachelor of Science in Mathematics, Physics, Computer Science, Electrical Engineering, Telecommunications

Admission in 1st or 2nd year, depending on academic background and exam results

The languages of instruction are French and English

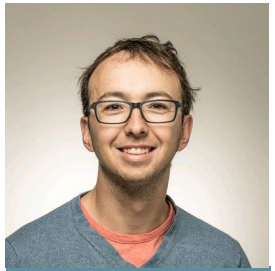
French language instruction is provided to all international students

Ingéineur program: https://www.telecom-sudparis.eu/en/formation/engineering-curriculum/

Program details: https://fr.calameo.com/read/00532543029d994351c02

A global Alumni Network : ENSTA Paris Alumni

A Wide Variety of Career Paths



Cyril Del Pistoia (2011)

Head of US Technical Account Management at Criteo

Adriano Oliari Negris (2015)

Advisor for innovation and digital transformation, Prefeitura de Salvador

Luis Benetti Ramos (2017)

Wind Energy Engineer at Bureau Veritas Group

Pedro Ziebell Ramos (2019)

Software developer at SAP Data Warehouse Cloud, Porto Alegre

Entrevista : https://youtu.be/i9Mix5-hwSM

A global Alumni Network : Telecom Paris Alumni

A Wide Variety of Career Paths

Vitor Garcia Bacetti (2010)

Senior Product Manager
Google
San Francisco
USA

Ermínio da Cas Neto (2012)

Manager
Deloitte
Rio de Janeiro

Isabela Merath Gomide (2013)

Product Owner
Engie Brasil
São Paulo

Renata Porciuncula Baptista (2019)

PhD student
CEA
Saclay
France

https://www.telecom-paris.fr/en/international/international-students

Questions and answers

www.ip-paris.fr
https://admission.ip-paris.fr/

dd-admission@ip-paris.fr

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