

# **ENSTA PARIS – ENGINEERING & SCIENCE FOR CHANGE!**

Diplôme d'ingénieur – Master of Science in Engineering

**Our mission:** Enlightening, inventing, and providing world-class training in science and advanced technologies to address global challenges, at the crossroads of strategic issues, digital innovation, key economic sector needs and society's expectations.



ENSTA Paris (Ecole Nationale Supérieure de Techniques Avancées) whose origins date back to 1741, is one of the most renowned Graduate School of Science & Technology ("Grande École"). ENSTA Paris is part of Institut Polytechnique de Paris (IP Paris), which brings together five Schools, leading teaching and research institutions.

#### **INTERNATIONAL RANKINGS**

- ✓ QS ranking: IP Paris is ranked #38 worldwide, #2 in France
- ✓ QS graduate employability ranking: IP Paris is ranked #12 in the world, #1 in France
- ✓ French ranking among 176 Graduate Engineering Schools: ENSTA Paris is ranked #4 (DAUR), #4 (L'Étudiant)
- ✓ Thematic rankings (DAUR): #1 in environmental engineering, #2 in Maths, #2 in mechanical engineering, #4 in fundamental sciences

## ENSTA Paris delivers a multidisciplinary education with a high level of scientific

**content**. This allows its graduates to pursue PhD studies or to work in numerous sectors of activity corresponding to its domains of excellence, such as mobility, sustainable energy and complex systems engineering, particularly in defense.

### MAIN FIELDS OF EXPERTISE

- **Transport** (autonomous vehicles, smart mobility...)
- **Energy** (renewable energies, smart cities, nuclear...)
- **Engineering mathematics** (data science, operation research, optimization...)
- **Complex systems engineering** (robotics, artificial intelligence, cybersecurity)

### **KEY FIGURES**

🖉 1100 students

- 28% international students more than 30 different nationalities
- 🔦 6 Research Departments
- 32 international double degree agreements
- P 2 Offshore Campuses (Tunisia & China)
- A school close to business
- 🖀 Active student life
- 🟠 On-campus accommodation

### INTERNATIONAL ADMISSION

Double-degree students can be admitted as follow:

- Admission in Year 1 of the Engineering curriculum provided they have validated 3 academic years as at 1/09/2024. They will spend 2 or 3 years at ENSTA Paris depending on the double-degree agreement.
- Admission in Year 2 of the Engineering curriculum provided they have validated 3.5 or 4 academic years as at 1/09/2024. They will spend 2 years at ENSTA Paris.

In both cases, students will obtain the ENSTA Paris Diplôme d'ingénieur (MSc in Engineering).

ENSTA Paris has been awarded the three-star label "<u>Bienvenue en France</u>", which attests to the quality of its reception facilities, accommodation, and campus life for international students.



HAVE A LOOK AT

**OUR VIRTUAL TOUR** 

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## LANGUAGE REQUIREMENT 🧟

Students, when applying, do not need to speak French.

If admitted, students commit to study and learn French in order to reach B1 level before starting the academic curriculum at the School.

Admitted students will be offered an intensive French language internship (4 or 6 weeks) in France. **ENSTA Paris will pay for both course and accommodation during the internship**.

The academic year will start just after the French language internship mid-August 2024. The first two weeks will be dedicated to scientific revisions.

## YOUR ACCOMMODATION AT ENSTA PARIS 🏠

ENSTA Paris provides on-campus accommodation. All incoming students will be proposed an accommodation in our Residence: <u>https://www.ensta-paris.fr/en/accommodation-ensta-paris</u>

An active student life: https://www.ensta-paris.fr/en/student-life-ensta-paris

## YOUR STUDIES AT ENSTA PARIS 듣

### Year 1: a scientific core curriculum

- Automation, optimization and applied mathematics
- Information and communication sciences and technologies
- Physics and mechanics
- Engineering methods and tools

More information about the 1st year

## Year 2: selection of one Major & one Minor

### - Major in Applied Mathematics

- o Minor Mathematical Engineering
- Minor Mechanical and physical models
- Major in Mechanical Engineering
  - Minor Sustainable energies
  - o Minor Mechanical Modelling
  - o Minor Smart Systems
- Major in Computer Science Engineering
  - Minor Artificial intelligence and cyberphysics
  - Minor Software and cybersecurity

More information about the 2<sup>nd</sup> year

## Year 3: 11 possible areas of specialization

Smart mobility and vehicle eng.; Offshore transport and energy structures; renewable and sustainable energy: production and optimization; Nuclear power eng.; Optimization and data science; Modelling & simulation; Quantitative finance; Maths for Health & Environment; Robotics & smart autonomous systems; Artificial intelligence & Data; Cybersecurity. More information about specialization areas

More information about specialization areas

In addition to his or her path, the student also chooses a <u>profile</u> that corresponds to one of the following three types of jobs:

- "Engineering and design"
- "Research and innovation" (this profile is made for students wishing to start their career in research and development in business or in academia)
- "Entrepreneurship intrapreneurship"

More information about the profiles

The second semester of Year 3 is dedicated to the graduation project (PFE - projet de fin d'études) with a minimum duration of 5 months. This internship may take place at a company (this is the most frequent case) or in a public research organization, in France or abroad (in France, internships lasting more than 2 months are paid).

# AVAILABLE SCHOLARSHIPS 🕎

- Eiffel excellence scholarship: <u>https://www.campusfrance.org/en/eiffel-</u> <u>scholarship-program-of-excellence</u>
- French government scholarship: contact the Campus France office in your country of origin
- ENSTA Paris excellence scholarship: ENSTA Paris will provide an excellence scholarship to the best international students according to their academic performance (7 000 € / year for Year 1 and Year 2, 4 500 € for Year 3)
- ENSTA Paris Scholarships on social criteria: ENSTA Paris will provide scholarship to international students depending on their resource and academic performances, priority is given to students admitted within the framework of a double degree agreement. Amount c.a. 3 300 € to 4 800 €/year.

# TUITION FEES 🐻

Students admitted within the framework of a partnership are exempt from tuition fees but will have to pay administrative fees, the amounts of which are voted by the Board of Directors of ENSTA Paris and are subject to change. As an example for 2023/2024, non-european double degree students will pay 1395 €/year. There are no fees for double degree students under Erasmus+ programme.

More information: <u>international@ensta-paris.fr</u>

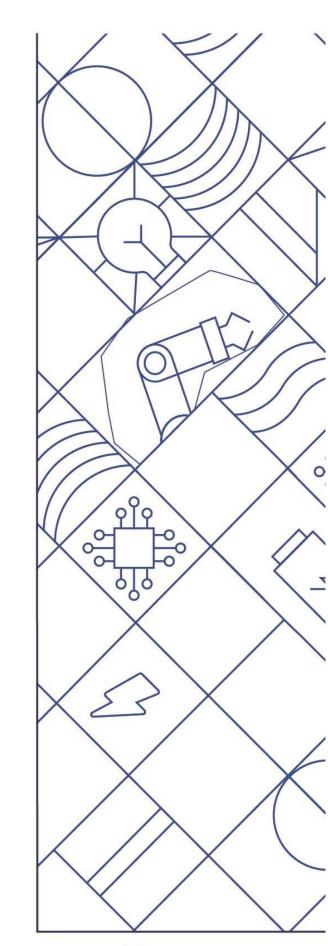
## INTERNATIONAL STUDENT TESTIMONIALS



Karel Daccache from Lebanon
<u>https://youtu.be/-YBum06BsEQ</u>



Mateus Gadotti Milagre from Brazil https://youtu.be/HsDG6CV0iok



For more information E-mail : international@ensta-paris.fr



www.ensta-paris.fr