

# **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 and 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
- 📍 2 Offshore Campuses (Tunisia & China)
- 🚹 A school close to business
- 🖀 Active student life
- 🟠 On-campus accommodation

# PRACTICAL INFORMATION

## **ENSTA** Paris

Erasmus code: F PARIS080 Adress: 828, Boulevard des Maréchaux, 91762 Palaiseau Cedex Website: https://www.ensta-paris.fr/en/admission-ensta-paris-free-auditors

# ACADEMIC STRUCTURE

The engineering program at ENSTA Paris consists of 3 years which correspond to:

- Year 1 = Bachelor 3rd year\*
- Year 2 = Master 1st year
- Year 3 = Master 2nd year

\*Please note that there is no admission in Year 1 for exchange students.

#### INTERNATIONAL ADMISSION

validated 4 academic years as at 1/09/2023.

Exchange students can be admitted as follow:
Admission in Year 2 of the Engineering curriculum provided they have validated 3 academic years as at 1/09/2023.
Admission in Year 3 of the Engineering curriculum provided they have

Exchange students can be hosted at ENSTA Paris for the 1st semester or the

2<sup>nd</sup> semester or for 1 full year at ENSTA Paris. Exception : in Year 3, exchange students can substitute the 1st semester or the whole year but cannot substitute the 2<sup>nd</sup> semester only, because it is dedicated to the graduation project.

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



#### NOMINATION PROCEDURE

Interested students must take the necessary steps with the international department of their home university, which sends ENSTA Paris the name of the nominated students.

The students need to send an application file (see below) that will be examined by a committee, which will decide on whether they can be admitted to ENSTA Paris.

## **APPLICATION PROCEDURE**

The application file must be sent to ENSTA Paris before **October 23rd, 2023** at <u>international@ensta-paris.fr</u> for admission from January 2024.

The documents to be provided are (in the order below):

- Application form, duly filled and signed (download the form)
- ENSTA Paris learning agreement, duly filled and signed by the student and the home university (<u>download the form</u>)
- A CV
- A cover letter in French or English
- The French proficiency certificate issued by a French teacher (<u>download the form</u>) OR the result of an official French test
- The list of courses already taken (download the form)
- A certificate from your coordinator (download the form)

- Official transcripts of all your university years (in the original language and an official translation into French or English)
- Copy of your passport or identity card
- Copies of the degrees
- Copies of the prizes and distinctions mentioned in your application form

If available:

- Ranking certificates
- Official English test result

In addition, your application must be completed with two letters of recommendation from two professors (<u>download the form</u>) sent directly by your professors to <u>international@ensta-paris.fr</u> **before October 23rd, 2023**.

# LANGUAGE REQUIREMENTS 💁

In Year 2, ENSTA Paris only offers courses in French and in Year 3, some courses in English are offered. So, it is highly recommended that the exchange students have at least B1 level in French before starting the exchange.

## YOUR ACCOMMODATION AT ENSTA PARIS AND STUDENT LIFE 🏠

ENSTA Paris will support the exchange students by offering a list of partner residences nearby the campus.

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

## YOUR STUDIES AT ENSTA PARIS 🚝

Exchange students will attend the same courses as the other students at ENSTA Paris.

During the **semester 1 of Year 2**, exchange students will attend the courses from one of the following Major:

- Applied mathematics
- Mechanical engineering
- Computer Science eng.

During the **semester 2 of Year 2**, exchange students will attend the courses included in the minor they choose in between:

- Applied mathematics
  - Mathematical engineering
  - Mechanical and physical models
- Mechanical Engineering
  - Sustainable energies
  - Mechanical modelling
  - Smart systems
- Computer Science eng.
  - Software and cybersecurity
  - Artificial intelligence and cyberphysics

Exchange students can do a 10-week research project between May and August (12 ECTS).

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

If you are admitted in the **Year 3**, you will have to choose one specialization path among 11 possibilities:

• 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.

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

- "Engineering and design"
- "Research and innovation"
- "Entrepreneurship intrapreneurship"

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).

More information about the 3rd year.

# ACADEMIC CALENDAR 🕎

- Year 2 :
  - Semester 1: September-mid-January
  - Semester 2 : mid-January-May (or July/August depending on the research project)

- Year 3:
  - Semester 1: September-March
  - Semester 2 : April-August

# TUITION FEES 🐻

There are no tuition fees for exchange students.

#### 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