

Information on non-degree programs at ENSTA Paris for the academic year 2020-2021

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ENSTA Paris, as a *Grande École*, differs a lot from a classical university.

ENSTA Paris is a small structure (~800 students) that concentrates on the 3 final years of the 5-year *Diplôme d'Ingénieur* (MSc. in Engineering) programme.

ENSTA Paris, which is ranked in the top 10 out of more than 250 Graduate Schools of Engineering ("Grandes Ecoles") in France, is located since the summer 2012 in brand new buildings on the campus of Ecole Polytechnique south of Paris. The four main areas of specialization at ENSTA Paris are the following:

- Transport
- Energy
- Engineering Mathematics
- Systems Engineering

The education is very demanding; students are selected extremely carefully, and their overall level is very high. Our small size enables us to devote time to the students to help them accomplish their project. We offer a large variety of specialisations, and we are able to design almost personalised solutions for each student. Our academic staff teachers and researchers supervise the students and help them make their choices to get the best out of their education at ENSTA Paris.

International students at ENSTA Paris account for about 30 % of all the students. Thanks to our small size, international students are exceptionally well integrated among the other students, and we care to offer them the same opportunities as we do for French students.

The following rules will help you make the right choices to get the most from your experience in our institution.

What should I have completed at my home university?

Applicants for a non-degree program should come from a partner university. They should have validated **at least 3 years** of studies at their home university before the start of the courses at ENSTA Paris.

- **What are the deadlines for application?**

**Main application
deadline**

April 8th if you wish to start during the Fall semester
(2nd year: from September to end of January)
(3rd year: from September to end of March)

**Late application
deadline**

October 31st if you wish to study in the year 2 during the Spring semester only
(from February to July).

Your application must be validated and duly signed by your home university. Applications are Available at:

<https://www.ensta-paristech.fr/en/becoming-engineer/international-admissions/international-non-degree-students-visiting-students>

- **What is the selection procedure?**

ENSTA Paris's Admission Jury will meet in May or December to review all applications and decide on admissions. **Beware, a nomination by your home university does not guarantee automatically your admission.**

- **What are the options for my stay at ENSTA Paris as a non degree program student?**

Students from partner universities can follow courses from the two final years of the *Diplôme d'ingénieur* (MSc. in Engineering) curriculum as non degree seeking exchange students:

- 2nd year (equivalent to the 1st year of the MSc. in Engineering)
- 3rd year (final year, equivalent to the 2nd year of the MSc. in Engineering)

Courses of ENSTA Paris's 1st year are not open to exchange students

First possibility: ACADEMIC TRACK

1) I want to stay 1 semester:

1. **Fall semester of 2nd year**
2. **Spring semester of 2nd year (including a research project)**
3. **Fall semester of 3rd year**

2) I want to stay one academic year:

1. Full 2nd year
2. Full 3rd year: courses + final study project in a company or an academic laboratory

Second possibility: Research project only (no classes)

One semester internship in one of the laboratories of ENSTA Paris

The 3rd year specialisation (*filière*) **Financial mathematics** (*Finance quantitative*) is not opened to non degree-seeking exchange students.

Each specialization at ENSTA Paris has a maximum student capacity which cannot be exceeded. Therefore, students will be given access to the specialisation of their choice depending on availability.

Applicants can contact the Office for Development, International Relations and Corporate Partnerships international@ensta-paris.fr to get help in order to establish their study programme before applying.

- **What are the dates of the semesters?**

2nd year

Semester	Dates	Content
Fall	beginning of September – end of January	Track (<i>Majeure</i>)
Spring	February – end of July or end of August (depending on internship dates)	Minors courses + full-time research project in a laboratory

3rd (final) year

Semester	Dates	Content
Fall	beginning of September – end of March	Specialization (<i>Filière</i>)
Spring	beginning of April – end of September	Final Degree Project

- **How should I choose the courses?**

Courses at ENSTA Paris are composed of Science & Engineering, Languages & Culture and Economics & Management.

In order to benefit the most from their experience at ENSTA Paris, exchange students are strongly advised to follow the same curriculum as degree-seeking students.

Minimum of credits required: 25 ECTS credits per semester

Science & Engineering courses

2nd year

Fall term:

Students should choose a major (*majeure*) when they apply. There is a choice between three majors and their variants:

- Mechanical
- Applied Mathematics
- Information et Communication Sciences and Technologies “STIC”

Each major has variants. Discover them on www.ensta.fr/en.

Spring term: Elective modules should be chosen. Some are dependent and cannot be chosen separately.

The research internship (*PRE*) must be carried out in one of ENSTA Paris’s laboratories. The research internship is supervised by one of ENSTA Paris’s permanent professors.

3rd year

Fall term: students follow one of ENSTA Paris’s final year specializations (*filières*) among eleven below:

“Transport”

- Mobilité intelligente et ingénierie des véhicules / Smart mobility and vehicle engineering
- Structure en mer / Maritime structures

“Energy”

- Production et gestion de l’énergie / Energy production and management
- Energie électronucléaire / Nuclear energy
- Structure en mer / Maritime structures

“Engineering Mathematics”

- Sciences de l’optimisation et des données / Optimization for data science
- Finance quantitative / Quantitative finance
- Modélisation et Simulation / Modelling and Simulation

“Systems Engineering”

- Robotique / Robotics
- Intelligence artificielle / Artificial intelligence
- Architecture et sécurité des systèmes d’information / Information systems management and security

The student will also choose an additional training among:

- Expert engineering
- Entrepreneur engineer

- Design engineer

Language & Culture

French courses are compulsory. Students can choose to study another foreign language, provided their level of French is good enough.

Culture courses have to be chosen among the courses attached to the year in which the students are registered (2nd or 3rd).

Economics & Management

Economics & Management courses have to be chosen among the courses attached to the year in which the students are registered (2nd or 3rd).

- **What is the language of instruction?**

Courses are **in French this is why we recommend to have a good command of French before arriving (minimum recommended level B1 French)**. It is possible to carry out a research internship in one of ENSTA Paris's laboratories in English.

- **What else can I do at ENSTA Paris?**

- **Sport activities:** not compulsory for exchange students but of course open to all!
- **Student associations**

- **French classes**

Intensive French classes are organized by ENSTA Paris during the summer. The cost is paid by the student. If you are interested, please contact international@ensta-paris.fr
French classes are compulsory during the year (once per week).

- **Where can I find more information?**

You will find on our web pages <http://www.ensta.fr/en> the description of all the courses proposed by ENSTA Paris under the chapter "Becoming an engineer".

You can contact ENSTA Paris's International Office at international@ensta-paris.fr.