



PARIS

IPSA

INSTITUT POLYTECHNIQUE DES SCIENCES AVANCÉES



The Institut Polytechnique des Sciences Avancées (IPSA) is a French graduate school of engineering specialized in aeronautical and space engineering. IPSA awards a Master's degree after a 5-years curriculum.

Recognized by the French Ministry of Higher Education, IPSA is also fully accredited by the National accrediting body in charge of assessing French schools of engineering (CTI).

◆ MAIN PROGRAMMES OF STUDY

IPSA's educational programs include a strong aeronautics and space component from the outset.

The 3-year bachelor cycle is available in Paris and Toulouse campuses.

The subjects, taught in French, mainly focus on:

- mathematics, physics, aeronautical sciences, computer science and electronics. Languages and human sciences (communication, management and economics) are of a great importance as well.

The 2-year master's cycle is only available on the Paris campus. Courses are taught in English.

- All 4th year students have to spend an academic semester abroad. They also choose between 5 scientific and technological concentrations:

- Energetics, propulsion, and innovative engines
- Embedded systems and telecommunications
- Aircraft mechanics and structures
- Mechatronic control systems - Space, launchers and satellites.

5th year students choose among the following tracks:

- Space systems conception
 - Aeronautical systems conception (option command systems)
 - aeronautical systems conception (option vehicules structures)
 - management and supply chain management
- 5th year students can also opt for:
- a French double degree with ISG (business school) leading to a dual competence track in management and integrated logistics,
 - a double degree with a foreign partner,
 - an academic exchange program abroad.

Internships are mandatory in 2nd, 4th and 5th years. They are based either in an industrial

setting or in a university laboratory or research body.

IPSA has added an ambitious international dimension. English is taught from the first year, featuring immersion weeks with English-speaking faculty. All students are required to spend a semester abroad and can get a double degree within IPSA foreign partners.

IPSA is highly willing to welcome foreign students opening its courses in English for the Master degree. A Bachelor in Artificial intelligence and Smart mobility taught in english will open in 2020.

◆ RESEARCH

Research at IPSA is managed by the Direction of research and innovation.

The main research topics follow 3 different dimensions:

- astronomy and astrophysics:
- mechatronics, signals, and systems:
- mechanics, energetics, and aerodynamics.

◆ STRENGTHS

The program (coursework and projects) has a strong aeronautical orientation from the first year. Students personalize that component through their choice of specialization. The curriculum also follows the industrial needs and feedbacks: which enhances the employability of IPSA graduates. Voluntary projects and events organized by the school point to the passion that reigns at IPSA.

Several students associations, ranging from scientific and cultural projects, convey a message of a family run school.

The Master and Bachelor in AI being taught in English it enables foreign students to adapt easily.

◆ LOCATION

IPSA has 2 campuses:

- Paris/Ivry-sur-Seine,
- Toulouse
- Lyon (preparatory classes only)
- Marseille (preparatory classes only)



IDENTITY FORM

◆ Precise name of the institution

IPSA - Institut Polytechnique des Sciences Avancées

◆ Type of institution

Association organized under the law of 1901: private institution of higher education

◆ City where the main campus is located

Paris

◆ Number of students

1800

◆ Percentage or number of international students

10%

◆ Type and level of qualifications awarded

Master's degree in aeronautical engineering
Bachelor's degree

◆ French language courses

Yes - International Master students must reach level B2 (according to the CEFR) and benefit from intensive courses adapted to reach this level.

Bachelor and exchange students benefit from approximately 50 hours of French per semester.

◆ Programs for international students

Yes - Non degree seekers have more latitude to select their academic plan. Some projects are also proposed by researchers to complete their training.

◆ Programs in English

Yes - The Master's courses are taught in English, except for the labour law and humanities modules and the management options (MPM, MLI).

The Bachelor's degree in Artificial Intelligence is taught entirely in English.

◆ Registration fees/year (for information only)

Master tuition fees: 10125€
Bachelor Tuition fees : 9740€

◆ Postal address

Paris : 63 Boulevard de Brandebourg 94200
Ivry-sur-Seine

<http://www.ipsa.fr/engineering-school/aeronautical-space>



Member of Campus France Forum