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 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 vehicles 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 industrials 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 scientifics and cultual 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)

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