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 on both 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. The opening in Toulouse is under project.
- 4th year students (1st semester): all students have to spend this semester abroad at one of our partners’.
- 4th year (2nd semester): 5 scientific and technological concentrations are proposed: 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 its Master cycle.

◆ RESEARCH
Research at IPSA is managed by the Direction of research and innovation. The main research topics follow 3 different dimensions: aerospace engineering, mechatronics, and astrophysics: - 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 to cultural projects, convey a message of a family run school. 4th and 5th years being taught in English it enables foreign students to adapt easily IPSA curriculum.

◆ LOCATION
IPSA has 2 campuses:
- Paris/Ivry-sur-Seine,
- Toulouse.

IPSA opens 2 new campuses in Marseille and Lyon (for the preparatory classes only).