



IPSA

THE AEROSPACE & SPACE ENGINEERING SCHOOL IN PARIS

ENGINEERING, THE FUTURE OF FLIGHT



PARIS

STUDY AEROSPACE ENGINEERING IN THE EUROPEAN CAPITAL
OF INNOVATION, AVIATION AND SPACE



Erasmus+



IPSA – Private Technical Higher Education Institution, member of



10 REASONS TO JOIN IPSA

Shaping the future of aeronautics and space engineering, in the heart of Paris. Choosing where to study engineering is choosing where to build your future. At IPSA, you'll join a community driven by innovation, excellence, and passion for flight and space exploration. From hands-on projects to global career opportunities, IPSA offers a unique experience for tomorrow's aerospace leaders.

A SCHOOL FULLY DEDICATED TO AERONAUTICS AND SPACE:

From day one, every course, project, and partnership focuses on the aeronautics and space sectors

PROGRAMS TAUGHT ENTIRELY IN ENGLISH:

Join international tracks designed for global students and future aerospace professionals.

HANDS-ON, PROJECT-BASED LEARNING:

Learn by doing through team projects, labs, design challenges, and industry collaborations.

A VIBRANT STUDENT COMMUNITY:

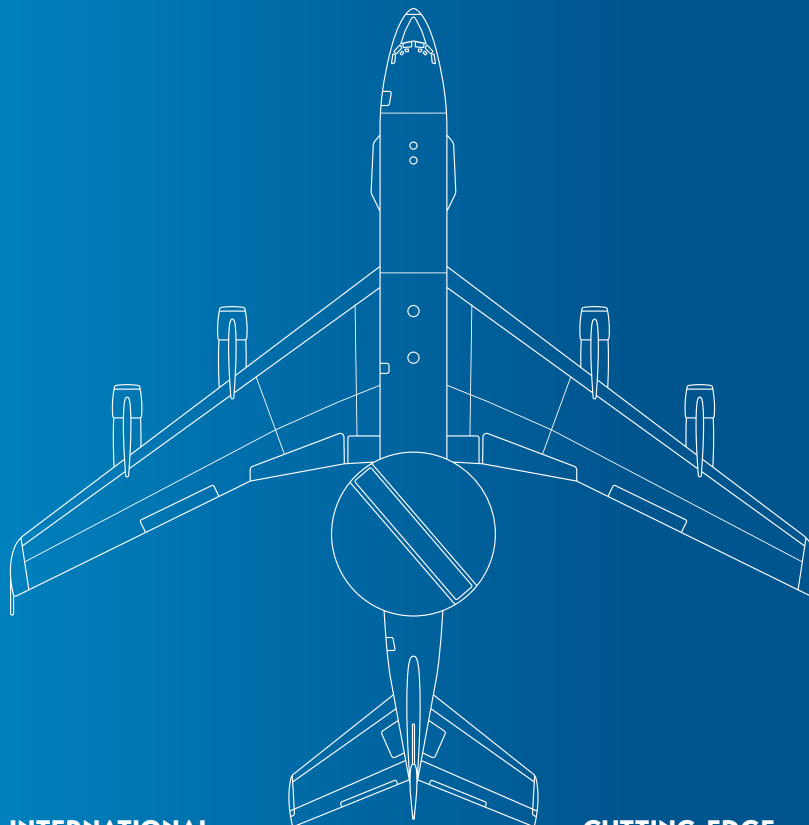
Join over 90 student associations covering aerospace, robotics, sports, arts, and humanitarian projects.

A FRENCH "DIPLOME D'INGÉNIEUR" RECOGNIZED WORLDWIDE:

Earn one of France's most prestigious engineering degrees, equivalent to a Master's level qualification.

STRONG CONNECTIONS WITH THE AEROSPACE INDUSTRY:

Internships, conferences, and partnerships with leading companies open real career doors.



LOCATED IN PARIS, THE EUROPEAN CAPITAL OF AEROSPACE:

Study in the city where world leaders like Airbus, Safran, Thales, Dassault and ArianeGroup innovate every day.

A LAUNCHPAD FOR YOUR CAREER OPPORTUNITIES:

IPSA graduates are recruited by top aerospace and space companies, research centers, and innovative start-ups across the globe.

INTERNATIONAL MOBILITY AND DOUBLE-DEGREE OPPORTUNITIES:

Study abroad or earn a double degree with one of IPSA's 100+ partner universities worldwide.

CUTTING-EDGE LABORATORIES AND SIMULATION FACILITIES:

Explore modern labs dedicated to propulsion, flight mechanics, embedded systems, and space technologies.

AEROSPACE SUMMER SCHOOL IN PARIS:

Spend two exciting weeks in Paris diving into the world of drones and autonomous flight! Open to students from around the globe, the IPSA Summer School offers a hands-on experience where you'll design, build, and program drones while learning the latest in flight control technology. Combine cutting-edge innovation, teamwork, and cultural exploration in the heart of Paris; one of Europe's most vibrant cities for tech and aviation.

A FRENCH ENGINEERING SCHOOL, AT THE HEART OF EUROPEAN AEROSPACE !

IPSA is a French engineering school specializing in aeronautics and space. It offers a 5-year program leading to a Master's degree in Aerospace Engineering, a summer school, and two 2-year Master of Science programs. Entirely dedicated to flight, propulsion, and space systems, the programs combine solid scientific foundations, hands-on projects, and international exposure. Students can join directly in Year 1, Year 3, or Year 4, depending on their background.



**STATE-RECOGNIZED
FRENCH DEGREE
(DIPLOME D'INGÉNIEUR)**



**INTERNATIONAL
TRACKS FULLY
TAUGHT IN ENGLISH**



**LOCATED IN
PARIS, EUROPEAN
AERONAUTICS AND
SPACE CAPITAL**



**PROJECT-BASED
LEARNING WITH STRONG
INDUSTRY TIES**



**INTERNATIONAL MOBILITY
AND DOUBLE DEGREES
(FRANCE AND ABROAD)**

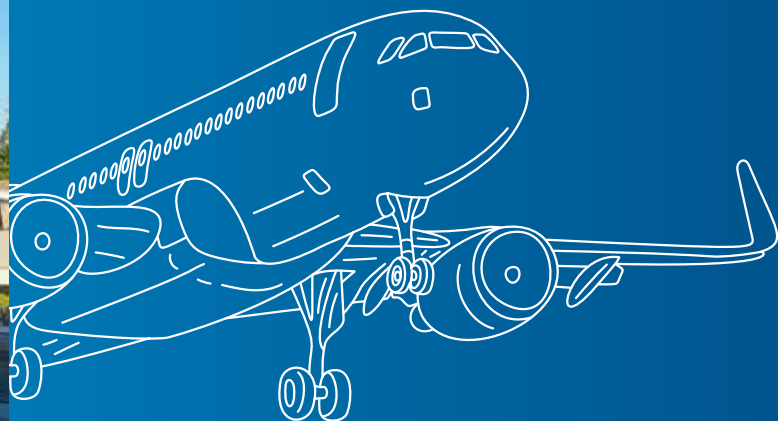


**STRONG LINKS WITH
INDUSTRY (AIRBUS,
SAFRAN, THALES, CNES...)**



PARIS, THE EUROPEAN CAPITAL OF AEROSPACE AND SPACE

Paris is home to the largest aeronautics and space ecosystem in Europe. Around the city, global leaders such as Airbus, Safran, Dassault Aviation, Thales, and ArianeGroup drive innovation in aircraft and spacecraft design, propulsion, and systems engineering. It also hosts key institutions such as CNES (the French Space Agency) and the European Space Agency's headquarters, making Paris the strategic center of European aerospace research, industry, and education. Studying in Paris means being connected to the beating heart of Europe's aerospace future.



MASTER'S DEGREE IN

PROGRAM STRUCTURE : FROM FUNDAMENTALS TO

During the first three years, students build strong knowledge in mathematics, physics, computer science, and aeronautical engineering. In the final two years, they select a Major to develop specialized expertise and prepare for their professional career.

YEARS 1-3 – CORE ENGINEERING COURSES :

- ♦ Mathematics, Physics, Computer Science
- ♦ Mechanics, Thermodynamics, Electronics
- ♦ Aerodynamics, Flight Mechanics
- ♦ Systems Engineering & Project Work
- ♦ 1 semester abroad in an International University



YEARS 4-5 – SPECIALIZATION MAJORS

(EACH MAJOR COMBINES ADVANCED THEORY, LAB WORK, AND INDUSTRY PROJECTS)

MAJOR	FOCUS	EXAMPLE CAREER PATHS
AEROSPACE PROPULSION	Advanced turbomachinery, hybrid and electric propulsion systems.	♦ Propulsion engineer ♦ R&D specialist
AERONAUTICAL STRUCTURES & MATERIALS	Advanced composites, structures, design optimization.	♦ Aircraft design engineer ♦ Structural analyst
SPACE PROPULSION & SATELLITES	Propulsion technologies for space, energy management, nanosatellites.	♦ Space propulsion engineer ♦ Spacecraft design engineer
SPACE SYSTEMS	Satellite architecture, space mission design, orbital mechanics.	♦ Systems engineer ♦ Mission analyst
AUTONOMOUS AERONAUTICAL SYSTEMS	AI, robotics, flight control, autonomous vehicles.	♦ UAV systems engineer ♦ Embedded software developer
EMBEDDED SYSTEMS & TELECOMMUNICATIONS	Advanced turbomachinery, hybrid and electric propulsion systems	♦ Avionics engineer ♦ Systems integration specialist

AEROSPACE ENGINEERING

SPECIALIZATION

CAREER-READY AEROSPACE ENGINEERS:

IPSA graduates are highly valued by leading aeronautics and space companies for their technical expertise, adaptability, and global mindset. They work in aeronautics, space, defense, energy, and emerging mobility sectors.



EXAMPLES:

AIRBUS THALES



START-UPS IN SPACE TECH
AND GREEN AVIATION

RESEARCH LABORATORIES
AND INNOVATION CENTERS

LEARNING EXPERIENCE HANDS-ON, PROJECT-BASED:

IPSA emphasizes experiential learning through real-life projects, laboratory sessions, and multidisciplinary teamwork. Students take part in design challenges, build prototypes, and collaborate with industry partners such as Airbus, Safran, Thales, and ArianeGroup.

- ♦ Design of a hybrid-electric aircraft engine
- ♦ Flight simulation and flight test campaigns
- ♦ CubeSat and drone mission development
- ♦ Avionics communication systems prototype

INTERNATIONAL MOBILITY & DOUBLE DEGREES:

IPSA students have the opportunity to spend a semester or a full year abroad at one of 120+ partner universities worldwide. Double degree options are available with institutions in Canada, the United States, the UK, and Asia.

HIGHLIGHTS:



120+
INTERNATIONAL
PARTNERS



INTERNSHIPS
ABROAD



ENGLISH
LANGUAGE
TRACK
THROUGHOUT
THE CURRICULUM



MANDATORY
INTERNSHIP
EVERY YEAR

REQUIREMENTS

- ♦ Undergraduate level: High School Diploma with Maths and Physics tracks.
- ♦ Graduate level: Bachelor of Engineering in Aerospace Engineering, Mechanical Engineering, Electrical and Electronic Engineering, Mechatronic Engineering or related fields



MASTER OF SCIENCE IN AEROSPACE PROPULSION

The MSc in Aerospace Propulsion at IPSA is a cutting-edge program designed for students passionate about propulsion systems for aircraft and space vehicles. This innovative program aims to train experts in the field of propulsion by integrating the latest technological advancements, environmental challenges, and the new demands of the aerospace industry. The curriculum, developed in collaboration with key industry players, reflects IPSA's commitment to meeting the growing need for technical skills in this strategic area.

100% ENGLISH

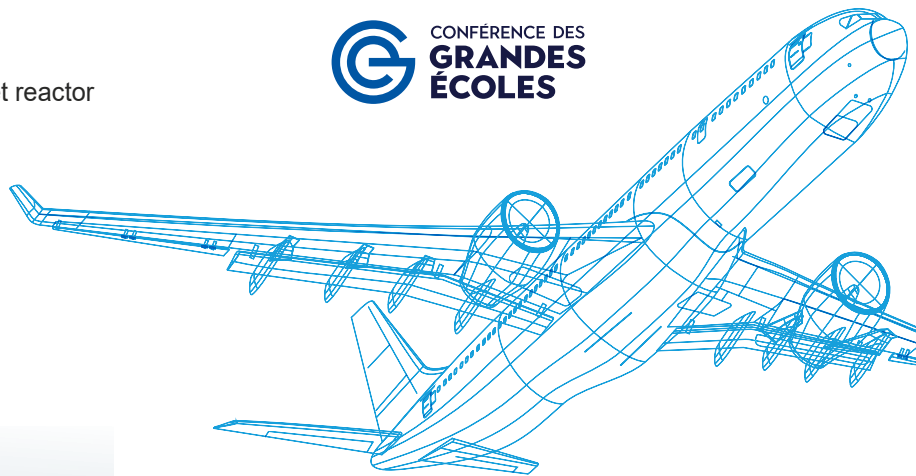
IN PARIS

1 OR 2 YEARS

FULL-TIME

POSSIBLE COURSES

- ♦ Turbomachinery and design project for a turbojet reactor
- ♦ Electric and nuclear propulsion for spacecraft
- ♦ Launchers and satellites design
- ♦ Project: conception of a space mission
- ♦ Computational fluid dynamics
- ♦ Hypersonic aerodynamics introduction



INTERNSHIPS:

In M1: **5-month** mandatory internship
In M2: **6-month** mandatory internship

POSSIBLE CAREERS

- ♦ Aerospace propulsion Expert
- ♦ Aerospace propulsion Project manager
- ♦ Aerospace propulsion Design Offices
- ♦ Aerospace propulsion Testing

Full program



REQUIREMENTS

In M1: 3-year Bachelor of Engineering

In M2: 4-year Bachelor of Engineering or higher



MASTER OF SCIENCE IN AUTONOMOUS AEROSPACE SYSTEMS

The MSc in Autonomous Aerospace Systems is a cutting-edge program designed to train the next generation of experts in autonomous aerial technologies; from drones and eVTOLs to intelligent avionics. Blending the core principles of aerospace engineering (aerodynamics, embedded systems, guidance & navigation) with advanced skills in AI, robotics, sensor fusion, and real-time systems, this program offers a truly interdisciplinary learning experience and is your gateway to a fast-evolving field shaping the future of aviation.

100% ENGLISH

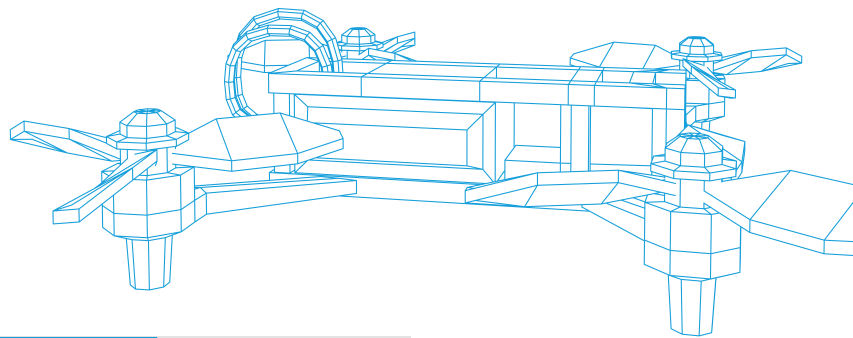
IN PARIS

1 OR 2 YEARS

FULL-TIME

POSSIBLE COURSES

- ♦ Aircraft Modeling – Autopilot Systems
- ♦ Intelligent and Nonlinear Control
- ♦ Deep Neural Networks & Deep Learning Applied to Aerial Systems
- ♦ Drones and Visual Serving
- ♦ Distributed and Real-Time Intelligent Systems
- ♦ Robotics Applied to Autonomous Systems



INTERNSHIPS:

In M1: **5-month** mandatory internship

In M2: **6-month** mandatory internship

Full program



POSSIBLE CAREERS

- ♦ Autonomous Systems Expert
- ♦ Specialist in AI and Embedded Robotics
- ♦ Navigation and Guidance Expert
- ♦ Consultant in Autonomous Aerospace Systems Integration

REQUIREMENTS

In M1: 3-year Bachelor of Engineering

In M2: 4-year Bachelor of Engineering or higher



APPLICATIONS

IPSA welcomes international students who are passionate about aeronautics and space, and who wish to study engineering in an international environment. Applications can be made directly through the IPSA International Admissions Office.

ONLINE APPLICATION:

Application by email to freemover@ipsa.fr
(Transcripts, English proficiency certificate, CV, and motivation letter)

INTERVIEW:

Shortlisted candidates are invited to an online interview with the admissions team.

ADMISSION DECISION:

Successful applicants receive an official Letter of Acceptance by email.

VISA & ARRIVAL SUPPORT:

The IPSA International Office assists students with visa procedures, housing, and arrival in Paris.

LANGUAGE REQUIREMENTS:

All programs listed in this brochure are taught in English.
Applicants must provide proof of English proficiency (TOEFL, IELTS, or equivalent).

APPLICATIONS DOCUMENTS:

- ♦ Application form
- ♦ High School / Bachelor's degree transcripts
- ♦ Copy of highest diploma or certificate of enrollment
- ♦ 2 letters of recommendation
- ♦ TOEFL (80 IBT), TOEIC (785), or IELTS (6.0)
- ♦ Statement of purpose
- ♦ Application fee

APPLICATION DEADLINE:

June 30



CONTACT:

[FREEMOVER@IPSA.FR](mailto:freemover@ipsa.fr)

