

IPSA

ÉCOLE D'INGÉNIEURS
DE L'AIR, DE L'ESPACE ET DE LA MOBILITÉ DURABLE

ENGINEERING SCHOOL IN AERONAUTICS AND SPACE

Exchange programs 2023/2024



Cti



Erasmus +

IPSA at a glance



Part of **Ionis Education Group** (26 schools, 30,000 students)



School of Engineering dedicated to **space, aircraft and smart mobility**



Established in **1961** by French Aircraft Experts



2 campuses: Paris, Toulouse



More than **2,000 students**

International Partnerships

AFRICA

MOROCCO

- AL AKHAWAYN UNIVERSITY IN IFRANE

SOUTH AFRICA

- NELSON MANDELA UNIVERSITY

AMERICA

ARGENTINA

- UNIVERSIDAD NACIONAL DE SAN MARTIN
- UNIVERSIDAD NACIONAL DE CORDOBA

BRAZIL

- UNIVERSITY OF SAO PAULO

CANADA

- CONCORDIA UNIVERSITY
- ÉCOLE DE TECHNOLOGIE SUPÉRIEURE
- SHERBROOKE UNIVERSITY
- UNIVERSITY OF LAVAL

COLOMBIA

- UNIVERSIDAD EIA

MEXICO

- BENEMÉRITA UNIVERSIDAD AUTONOMA DE PUEBLA (BUAP)
- UNIVERSITY LASALLE MEXICO
- TECNOLÓGICO DE MONTERREY

PERU

- UNIVERSIDAD PERUANA DE CIENCIAS APLICADAS

UNITED STATES

- UNIVERSITY OF ARIZONA
- UNIVERSITY OF CALIFORNIA IN SAN DIEGO

- UNIVERSITY OF CALIFORNIA IN SANTA BARBARA
- CALIFORNIA STATE UNIVERSITY IN SAN MARCOS
- CALIFORNIA STATE UNIVERSITY IN LONG BEACH
- UNIVERSITY OF CALIFORNIA RIVERSIDE
- SAN FRANCISCO STATE UNIVERSITY

ASIA

CHINA

- BEIJING INSTITUTE OF TECHNOLOGY
- NANJING UNIVERSITY OF AERONAUTICS & ASTRONAUTICS
- NORTHWESTERN POLYTECHNICAL UNIVERSITY
- HONG KONG POLYTECHNIC UNIVERSITY

INDIA

- CHANDIGARH UNIVERSITY
- CHITKARA UNIVERSITY
- GITAM
- HINDUSTAN UNIVERSITY
- SRMIST UNIVERSITY
- IIT HYDERABAD

INDONESIA

- INSTITUT TEKNOLOGI SEPULUH NOPEMBER

JAPAN

- GUNMA UNIVERSITY
- SHIBAURA INSTITUTE OF TECHNOLOGY
- OSAKA UNIVERSITY

MALAYSIA

- UNIVERSITI KUALA LUMPUR
- UNIVERSITI SAINS MALAYSIA

PHILIPPINES

- UNIVERSITY OF SOUTHEASTERN PHILIPPINES

SOUTH KOREA

- CHUNG ANG UNIVERSITY
- DONGGUK UNIVERSITY
- GWANGJU INSTITUTE OF SCIENCE AND TECHNOLOGY
- INHA UNIVERSITY
- KEIMYUNG UNIVERSITY
- KOREATECH
- KOREA UNIVERSITY SEJONG CAMPUS
- KYUNGSUNG UNIVERSITY
- SEOULTECH

TAIWAN

- FENG CHIA UNIVERSITY
- NATIONAL CENTRAL UNIVERSITY
- NATIONAL CHENG KUNG UNIVERSITY
- TAIPEITECH
- TAIWANTECH

UNITED ARAB EMIRATES

- HERIOT-WATT UNIVERSITY - DUBAI

VIETNAM

- HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY

OCEANIA

AUSTRALIA

- MONASH UNIVERSITY
- ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY

NEW ZEALAND

- UNIVERSITY OF AUCKLAND

International Partnerships

EUROPE

AUSTRIA

- UNIVERSITY OF APPLIED SCIENCES WIENER NEUSTADT

CROATIA

- UNIVERSITY OF ZAGREB

CZECH REPUBLIC

- CZECH TECHNICAL UNIVERSITY IN PRAGUE
- TECHNICAL UNIVERSITY OF OSTRAVA
- BRNO UNIVERSITY OF TECHNOLOGY

ENGLAND

- UNIVERSITY OF CRANFIELD
- UNIVERSITY OF SALFORD

GERMANY

- BREMEN UNIVERSITY
- TECHNISCHE HOCHSCHULE INGOLSTADT
- MUNICH UNIVERSITY OF APPLIED SCIENCES

HUNGARIA

- BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS
- DEBRECEN UNIVERSITY
- UNIVERSITY OF MISKOLC

IRELAND

- LIMERICK UNIVERSITY

ITALY

- POLITECNICO DI MILANO
- POLITECNICO DI TORINO
- UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II

- SAPIENZA UNIVERSITA DI ROMA
- UNIVERSITA DI PISA

LATVIA

- RIGA TECHNICAL UNIVERSITY

LITHUANIA

- KAUNAS UNIVERSITY OF TECHNOLOGY
- VILNIUS GEDIMINAS TECHNICAL UNIVERSITY

NETHERLAND

- UNIVERSITY INHOLLAND

POLAND

- POZNAN UNIVERSITY OF TECHNOLOGY
- WARSAW UNIVERSITY OF TECHNOLOGY
- RZESZÓW UNIVERSITY OF TECHNOLOGY

PORTUGAL

- INSTITUTO SUPERIOR TÉCNICO DE LISBOA
- UNIVERSIDADE DA BEIRA INTERIOR

ROMANIA

- UNIVERSITATEA POLYTEHNICA DIN BUCURESTI

RUSSIA

- MOSCOW AVIATION INSTITUTE
- NATIONAL UNIVERSITY OF AERONAUTICS SAMARA
- SAINT PETERBURG STATE UNIVERSITY OF AEROSPACE INSTRUMENTATION

SCOTLAND

- HERIOT-WATT UNIVERSITY

SPAIN

- UNIVERSIDAD POLITECNICA DE CATALUNYA: BARCELONATECH

- UNIVERSIDAD POLITECNICA DE MADRID (ETSIAE)
- UNIVERSIDAD POLITECNICA DE VALENCE (ETSID)
- UNIVERSITY OF PAIS VASCO (BILBAO)

SWEDEN

- CHALMERS UNIVERSITY OF TECHNOLOGY

SCOTLAND

- HERIOT-WATT UNIVERSITY

SPAIN

- UNIVERSIDAD POLITECNICA DE CATALUNYA: BARCELONATECH
- UNIVERSIDAD POLITECNICA DE MADRID (ETSIAE)
- UNIVERSIDAD POLITECNICA DE VALENCE (ETSID)
- UNIVERSITY OF PAIS VASCO (BILBAO)

SWEDEN

- CHALMERS UNIVERSITY OF TECHNOLOGY

TURKEY

- BAHCESEHIR UNIVERSITY (BAU)
- ISTANBUL TECHNICAL UNIVERSITY
- OZYEGIN UNIVERSITY

WALES

- SWANSEA UNIVERSITY

International Partnerships

« MORE THAN 100
PARTNERS »

in 43 countries

« AND 14 DUAL DEGREE AGREEMENTS »

- BRAZIL – University of São Paulo
- CANADA – University of Laval
- CANADA – Sherbrooke University
- CANADA – Concordia University
- ENGLAND – Salford University
- ENGLAND – Cranfield University
- GERMANY – Bremen City University in Applied Sciences
- IRELAND – South East Technological University
- SCOTLAND – Heriot Watt University
- RUSSIA – Saint Petersburg State University of Aerospace Instrumentation
- SPAIN – UPMadrid
- SPAIN – UPC – Barcelonatech
- TAIWAN – National Cheng Kung University
- UNITED STATES – University of Arizona

Bienvenue en France



2019 - 2023

The “Bienvenue en France” label accredited by Campus France, rewards French higher education institutions and evaluates the quality of the reception, support and monitoring of international students by higher education institutions.

IPSA was rewarded with the “2 stars” certification over 3.

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EXCHANGE PROGRAMS



Exchange program

Type:

Erasmus

Exchange agreements

} ~60 students per year

Duration:

One semester: Fall 2023 or Spring 2024

One year: starting Fall 2023 or Spring 2024

Programs:

Undergraduate programs: English and French pathways

Graduate programs: English or French (management only)

French classes

Other:

International students association

Buddy system

Cultural activities

Undergraduate program – Year 3

- **Fall semester** – English and French pathways
 - **Aerospace** – 30 ECTS
 - Numerical Linear Algebra 1, Engineering statistics and probabilities, Heat transfers 1, General mechanics 1, Aerodynamics 1, Flight mechanics (performances, static equilibrium), Introduction to space systems, Project management...
- **Spring semester** – English and French pathways
 - **Signal and Systems** – 30 ECTS
 - C++ programming, Networks of smart devices, Operating systems, Aeronautical telecommunication systems, Digital signal processing...
 - **Vehicles** – 30 ECTS
 - Introduction to FEM, Continuum mechanics, Applied thermodynamics, Introduction to turbomachinery, CAD (Catia), Materials science...

Graduate programs

- **Fall semester** : 8 options
 - **Systems** – English
 - Autonomous Airbone Systems(SAA)
 - Embedded information management and processing (TIE)
 - Space, Launchers and Satellites (ELSS)
 - **Vehicles** – English
 - Airframe and Materials (CAE)
 - Energy and Engines (EMO)
 - Space, Launchers and Satellites (ELSV)
 - **Management** – **French only**
 - Management des projets industriels (MPI)
 - Management de la production et du MCO (MPM)

Graduate programs

- **Spring semester** : 6 options
 - **Systems** - English
 - Embedded systems and telecommunications (SET)
 - Mechatronic systems (SM)
 - Space, Launchers and Satellites (ELSS)
 - **Vehicles** - English
 - Energetics and Propulsion (EP)
 - Mechanics and Structures (MS)
 - Space, Launchers and Satellites (ELSV)

Calendar

Fall semester

- September to January
- Application deadline: 15 May
- Orientation days: one week before



Spring semester

- February to June
- Application deadline: 15 November
- Orientation days: one week before



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SUMMER SCHOOL



Summer school 2023

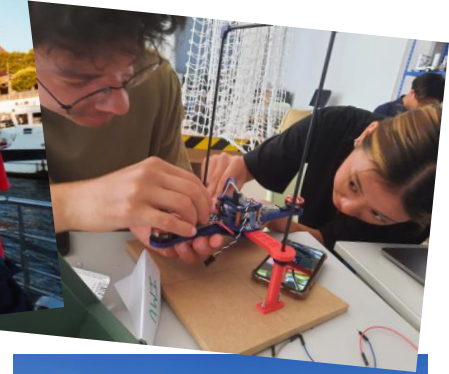
ALL INCLUDED PROGRAM

- **Dates:** July 3-21, 2023
- **Location:** Paris
- **Credits:** 6 ECTS

Our 3-week program aims at providing key concepts about the flying equation system and about how to build and control drones with a robotic arm. First, students will learn how to design a robot using Robot Operating System. Second, they will build, stabilize, and make a real bicopter fly.

The cultural fun is guaranteed by the interactive visits and intercultural workshops in Paris all along the 3 weeks.

- **Price:** 1850€ (\approx 270,000¥) – no tuition fee for partner
The price includes: accomodation, material kit, activities, lunch and coffee breaks on course days, public transport pass in Paris.



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CAMPUS LIFE



Student clubs



More than 70 clubs for a dynamic associative life: culture, sports (football, rugby, handball, surf, ski, etc.), technical clubs (drones, cubesat design, astronomy, rocket design, robotics, etc.), social and humanitarian actions, event organization, etc.

Some clubs



IPSA Flight is an association whose goal is to design a 1:1 scale Boeing 777 simulator and eventually to use this simulator for educational purposes.



AERO IPSA is specialized in the design and **production of experimental** rockets in partnership with the national space agency: CNES (Centre National des Etudes Spatiales).



IPSA ONE has been working for several months on an ambitious project: the design of a CubeSat (a nano-satellite weighing less than 5Kg to be placed into orbit).

The **BDS (Sports Office)** offers the practice of different sports disciplines in university championships: football, rugby, handball, volleyball, rowing, skydiving, ski..



IPSA Games offers several board games and participates in e-sport competitions..



STUD'Act aims at creating a simplified bridge between the student world and the humanitarian associative world through the promotion of local actions, known as solidarity actions.



International association

- IPSA International Students Association stays in contact with exchange students throughout the semester to **help them** in France.
- They organize different **social and cultural activities and trips**.
- A **French buddy** is also assigned to each exchange student.



Testimonies

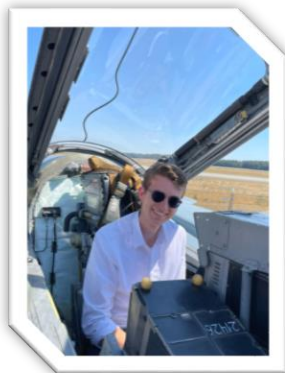


“ Adjusting to a whole new country and culture was a bit difficult for us, but IPSA made it easy for us. The staff and teachers were very helpful to us since the beginning. IPSA arranges several activities for their international students like sightseeing, fun activities, international dinner and much more. Our time at IPSA was memorable and we will always cherish these moments. This is your sign to make new memories and learn new things.”

Nidhi PRABHU and Devasvi PRABHU – Chandigarh University, India

“My Exchange semester at IPSA was all about growing as a person and expanding my horizons. The things I learned and the people I met will forever be with me from now on.”

Paulo DE GODOY ROSOLEN - University of São Paulo, Brazil



“My time at IPSA and in Paris was one of the highlights of my entire studying time. The unique mixture of the city combined with IPSA's focus on aviation made for a truly special experience. The fact that the teaching and working language at IPSA is English makes integrating into the university community very easy.”

Alexander FENK - Technische Hochschule Ingolstadt, Germany

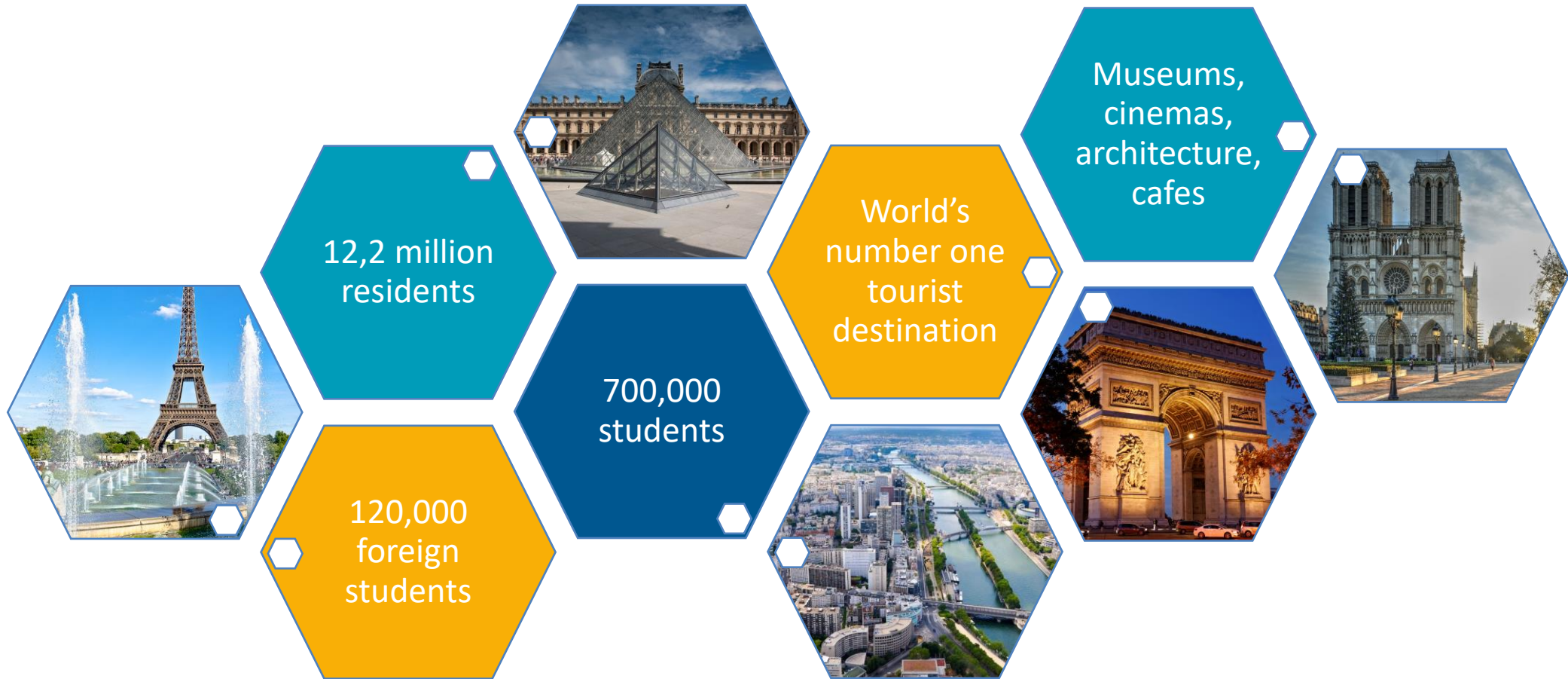
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LIFE IN PARIS



Study in Paris



Cost of living

BUDGET		
	Tuition fee	waived for exchange students
	Student health insurance French social security	Free
	Accommodation	500-800€ / month
	Food	200€ / month
	Transportation (unlimited travel in the Île-de-France region)	30€ / month
	Visa VLS-TS (4 months to 1 year)	50€
ALLOWANCES AND SCHOLARSHIPS		
	Personal housing allowance (APL) Every student living and studying in France that is renting accommodation has the right to receive APL allowances. After completing certain requirements, you can get up to 210€ a month of allowance from the French state. Our housing platform will help you getting these allowances.	~210€ / month
	Scholarships Foreign exchange students might have the possibility to get a scholarship to cover their semester abroad. Please contact the Campus France office in your country to find out more about the existing scholarships.	

Accommodation



Incoming students can benefit from our partner's dedicated [student housing platform](#). Students will have access to hundreds of offers: studios, flatshares, homestays...and benefit from [personalized support](#) throughout their rent!



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APPLICATION



How to apply?



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Thank you!

Contact: international@ipsa.fr

