



SUMMER SCHOOL 2022

IMAGINE - DEVELOP - FLY

understanding flying robots | building and controlling drones



Technical courses and
experimental
tests

From July 4
to July 22, 2022

3 weeks

In Paris, France

6 ECTS credits

Intercultural
workshops and
activities



IPSA Summer School

Our 3-week program aims at providing you key concepts about the flying equation system and about how to build and control drones with a robotic arm. First, with the expertise of our team, you will learn how to design a robot using one of the most used robotic environments: Robot Operating System. Second, you will build, stabilize, and make a real bicopter fly.

Agenda

Week 1: Introduction to drones

You will discover the different types of drones and all about controlling a robotic arm.

Week 2: Multi-motor systems

You will get familiar with the modeling and controlling quadrotor systems.

Week 3: From theory to practice

You will build your own drone and make it fly.



A memorable experience in Paris

The cultural fun is guaranteed by the interactive visits and intercultural workshops all along the 3-week program.

Make sure you master

- Basics of python and C/C++.
- Intermediate programming skills.
- Understanding of Object Oriented Programming.
- Recommended to have 2 years of higher education in robotics.

Program fees

2 400 euros*

(including accomodation, tuition, French language classes, material kit, cultural activities, breakfast and lunch on course days, public transport pass)

***A special discount applies to students from our partner universities.**

How to apply?

Send the following documents at international@ipsa.fr:

1. Application form;
2. Copy of passport;
3. Official transcripts from home university;
4. Proof of English language proficiency (B2 level);
5. Application fee (60 euros).

Need more information?

Contact us at international@ipsa.fr

Application deadline:

May 15, 2022

Find IPSA online

