

2 options for the Master

M1 Plant Sciences
(several courses in english)

M2
2 programs

Research

plant physiology, development, adaptation to environment, plant-microbe interactions

(100% in english)

Professionnal

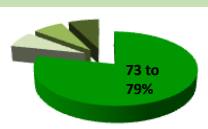
“Innovations and quality of crop productions”
plant protection and health, breeding, sustainable agriculture

(mainly in french)

**PhD,
Lab or platform
engineer**
(academic research, R&D and higher education)

**Manager / Engineer in
R&D, Marketing,
Product certification,
Technology watch...**

■ PhD
■ complement formation
■ engineer
■ other



*Pie charts made from survey of former students in the past 5 years

■ R&D
■ marketing
■ certification/technology watch
■ other



Laboratories of basic and applied research in Plant Sciences (including R&D)

Companies/technical centers/agencies in crop health, plant improvement, sustainable agriculture

Admission

- For M1, students with an academic undergraduate degree in biology, cell biology, genetics, physiology or equivalent
- For M2, students with a complete M1 (60 ECTS) in Plant Sciences or equivalent
- Good performance in plant physiology, genetics/ genomics, molecular biology and statistics

Contact us

• Pedagogic supervisors (M1 - M2)

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• Administration/scolarity contact:

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How to apply

- **M1 - EU students** (including France): national online platform «**Mon master** », from February 24th to March 25th 2025
Master Biologie integrative végétale-parcours sciences du végétal
- **M2 - EU students** (including France): « **Ecandidat** » platform on the university site (from March 1st to June 6th 2025)
[more information on our web site https://master-bip-universite-paris.fr](https://master-bip-universite-paris.fr)
- **non EU students** (M1 or M2): **Campus France** platform (65 countries, from Oct 2024 to Feb 28th 2025)
<https://www.campusfrance.org/en/application-higher-education-france>



Master of Integrative Biology and Physiology (BIP)

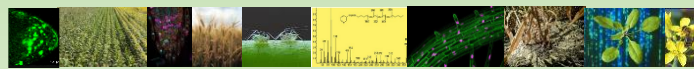
Master in Plant Sciences

<https://master-bip-universite-paris.fr>



Welcome to
study in Paris !

in partnership with



A Master degree dedicated to “Plant Sciences” in Paris, the French capital

- **Cutting-edge knowledges in Plant Integrative Physiology, sustainable crop breeding and protection**
- **Two programs in Master 2: “Research in Plant Sciences” and “Professional: Innovation and Quality of plant productions”**
- **An exceptional scientific environment** (5 associated research institutes, a large network of companies and alumni, partnership with Paris Saclay University and SPS graduate school)

First year of Master (M1)

semester 1	ECTS
Integrative Bbology	3
Methods in biological analyses (biostatistics, bioinformatics, molecular biology)	6
English	3
Genome evolution and organization	3
Biodiversity and genetics	3
Plant integrative biology workshop	4
Plant sciences practical course OR Fonctionning of a company	4
Plant integrative physiology OR biotechnologies / plants-insects	4
semester 2	ECTS
System physiology OR Plant microbe interactions	3
Research project	3
Applied genetics for plant breeding	4
Crop genomics and bioinformatics	4
Plant nutrition and agronomy OR Genome engineering/RNAi	4
Seeds : from biology to industry OR How to build a plant	4
Internship from mid-april to mid-june, minimum 2 months	8

grey : core curriculum of the master

white : “Plant Sciences » program (common with Paris Saclay University)

ECTS = European Credit Transfer and Accumulation System



In collaboration with



Second year of Master (M2-R)* « Research in Plant Sciences»

semester 1	ECTS
Plant genomics and breeding	5
Cellular biology : from imaging to function	5
Metabolic physiology	5
Signaling mechanisms in plants	5
Pathogenesis and symbiosis	5
Plant epigenetics	5
semester 2	ECTS
Research internship 6 months, from january to june	30

Second year of Master (M2- Pro)* « Innovation and Quality of crop productions »

semester 1	ECTS
Plant genomics and breeding	5
Key business functions	2.5
Strategic marketing and communication	5
Plant protection	5
Accreditation of plant protection products	5
Sustainable agronomy	2.5
Technological and competitive Intelligence	5
semester 2	ECTS
Project in private company 6 months, from march to august	30

* Education program common with Paris Saclay 's university

Some highlights

Excellent professionnall insertion

Possibilities of fellowships

Individual student tutoring

Numerous internships, practical courses, workshops

