

Université Paris-Saclay

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# M1 Biologie Agrosiences Animales

Master's degree

Specialisation Biologie-AgroSciences

Enrolment type

Formation initiale

Language(s) of instruction

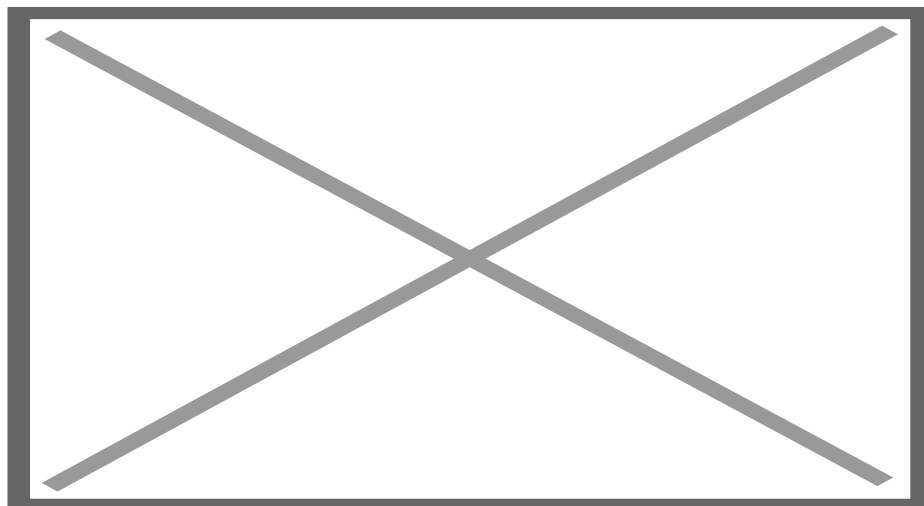
French

This M1 is aimed at students with skills in animal biology in the broad sense wishing to deepen the applications of these skills to comparison between animal species, and practical applications

2 semesters with a common core, associated with compulsory Teaching Units (UC), and optional UC.

[Télécharger la fiche détaillée](#)

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## Information

- [Overview](#)
- [Application requirements](#)
- [Schedule](#)

Présentation

## Skills

Identify the scientific and technical challenges of the animal science sector. Be able to make proposals for improving the identified problems

## Objectives

The objective of M1 is to train in applied animal sciences, through an integrative approach to biology, mainly including genetics, physiology, behavior and animal health. It is also about training students in animal issues from wild species to domesticated species.

## Débouchés

## Career prospects

**After a Master's or Master's + PhD: engineer (R&D, control, production, etc.)**

**After a Master's or Master's + PhD: researcher or lecturer**

**Sectors of activity: fundamental or applied research in Biology, Health or Ecology in academia or the private sector**

**Data Scientist**

**R&D Project Manager**

**Design engineer industry / public research**

**Research & Development Engineer**

**Research and Innovation Manager**

**Scientific communication, technology watch or technology transfer Officer**

**Project Manager**

**Research officer**

**Data scientist**

## **Further Study Opportunities**

**2nd year Master's**

## **Calendar**

Start of programme (indicative date)

01/09/2026

End of programme (indicative date)

30/06/2027

Admission

## **Admission Route**

Life Sciences

Life and Earth Sciences

## **Capacity**

**Available Places**

# Target Audience and Entry Requirements

Degree in Life Science.

Motivation for animal science and associated issues

## Période(s) de candidature

Inception Platform

From 15/01/2026 to 16/03/2026

From 19/06/2026 to 25/06/2026

MonMaster Platform

From February 17th to March 16th, 2026

To find out which platform you should apply through, please see the [Masters' applications and enrolment page](#).

## Supporting documents

### Compulsory supporting documents

Motivation letter.

All transcripts of the years / semesters validated since the high school diploma at the date of application.

Curriculum Vitae.

Detailed description and hourly volume of courses taken since the beginning of the university program.

### Additional supporting documents

Referring contact information (compulsory for non-international applicants).

Certificate of English level (compulsory for non-English speakers).

English language level certificate B1 (IELTS : score 4/5 ; TOEIC : score 550/760 ; TOEFL IBT : score 42/71 ). In the absence of official proof, level B1 certificate issued by the English teacher or transcript specifying level B1.

Certificate of French (compulsory for non-French speakers).

Level B2 : Non native french speakers, a knowledge certificate issued by the French Embassy or a French language center. Students holding a French diploma or a diploma instructed in French are exempt from that obligation.

VAP file (obligatory for all persons requesting a valuation of the assets to enter the diploma).

Supporting documents :

- Residence permit stating the country of residence of the first country
- Or receipt of request stating the country of first asylum
- Or document from the UNHCR granting refugee status
- Or receipt of refugee status request delivered in France
- Or residence permit stating the refugee status delivered in France
- Or document stating subsidiary protection in France or abroad
- Or document stating temporary protection in France or abroad.

Programme

BCC4- Implementing a plant or animal science research and innovation project in a professional context

| Subjects                   | ECTS | Semester   | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class | distance learning |
|----------------------------|------|------------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|-------------------|
| <a href="#">Internship</a> | 8    | Semester 2 |         | 104            |                 |                        |                         |                                |                   |
| ■                          |      |            |         |                |                 |                        |                         |                                |                   |

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BCC1- Integrative foundations and methods for animal and plant sciences

| Subjects                                          | ECTS | Semester   | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class | distance learning |
|---------------------------------------------------|------|------------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|-------------------|
| <a href="#">Biodiversity and Genome Evolution</a> | 3    | Semester 1 | 9.5     | 15             |                 |                        |                         |                                |                   |
| ■                                                 |      |            |         |                |                 |                        |                         |                                |                   |

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[English courses / Soliya project](#)

2.5 Semester 1 21

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[Epistemology](#) 2 Semester 1 15

[Charger le détail](#)

| Subjects                                                                | ECTS | Semester   | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class | di |
|-------------------------------------------------------------------------|------|------------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|----|
| <a href="#">Project Adopt a gene (Elective courses A - option 1)</a>    | 3    | Semester 1 | 0       | 0              | 15              |                        |                         |                                |    |
| <a href="#">Charger le détail</a>                                       |      |            |         |                |                 |                        |                         |                                |    |
| <a href="#">Metabolism and Physiology</a>                               | 2.5  | Semester 1 | 9       | 6              |                 |                        |                         |                                |    |
| <a href="#">Charger le détail</a>                                       |      |            |         |                |                 |                        |                         |                                |    |
| <a href="#">Biosphere lecture series</a>                                | 1    | Semester 1 | 6       |                |                 |                        |                         |                                |    |
| <a href="#">Charger le détail</a>                                       |      |            |         |                |                 |                        |                         |                                |    |
| <a href="#">Statistics</a>                                              | 3    | Semestre 1 | 10      |                | 11              |                        |                         |                                |    |
| <a href="#">Charger le détail</a>                                       |      |            |         |                |                 |                        |                         |                                |    |
| <a href="#">Project Adopt a dataset (Elective courses A - option 2)</a> | 3    | Semestre 1 | 3       |                | 12              |                        |                         |                                |    |
| <a href="#">Charger le détail</a>                                       |      |            |         |                |                 |                        |                         |                                |    |

#### Animal sciences 1: specialised knowledge and innovative methods for sustainability

| Subjects                                           | ECTS | Semester   | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|----------------------------------------------------|------|------------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|
| Athens (UC choix S1)                               |      |            |         |                |                 |                        |                         |                                |
| <a href="#">Les enjeux de l'embryon</a>            | 3    | Semester 1 | 12      | 6              |                 |                        |                         |                                |
| <a href="#">Charger le détail</a>                  |      |            |         |                |                 |                        |                         |                                |
| <a href="#">New Challenges for Animals Science</a> | 3    | Semestre 1 | 27      | 3              |                 |                        |                         |                                |
| <a href="#">Charger le détail</a>                  |      |            |         |                |                 |                        |                         |                                |
| <a href="#">Nutrition en Conditions Extrêmes</a>   | 3    | Semester 1 | 30      |                |                 |                        |                         |                                |

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|----------|------|----------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|
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Animal Plateform (mandatory S1)

|                                        |   |            |    |  |  |  |  |  |
|----------------------------------------|---|------------|----|--|--|--|--|--|
| <a href="#">Animal biotechnologies</a> | 4 | Semester 1 | 48 |  |  |  |  |  |
|----------------------------------------|---|------------|----|--|--|--|--|--|

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|                                               |   |            |    |   |   |  |  |  |
|-----------------------------------------------|---|------------|----|---|---|--|--|--|
| <a href="#">Comparative animal physiology</a> | 4 | Semester 1 | 50 | 6 | 6 |  |  |  |
|-----------------------------------------------|---|------------|----|---|---|--|--|--|

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Animal sciences 2: specialised knowledge and innovative methods for sustainability

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|----------|------|----------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|
|----------|------|----------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|

Plateforme animale (UC Choix S2)

|                                                                              |   |            |    |    |  |  |  |  |
|------------------------------------------------------------------------------|---|------------|----|----|--|--|--|--|
| <a href="#">Proteins and biotechnologies (Elective courses D - option 2)</a> | 4 | Semester 1 | 14 | 16 |  |  |  |  |
|------------------------------------------------------------------------------|---|------------|----|----|--|--|--|--|

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|                                                          |   |            |    |    |  |  |  |  |
|----------------------------------------------------------|---|------------|----|----|--|--|--|--|
| <a href="#">Fonctionnement de l'entreprise innovante</a> | 4 | Semester 2 | 20 | 20 |  |  |  |  |
|----------------------------------------------------------|---|------------|----|----|--|--|--|--|

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UC à choix (cursus ingénieur S2)

|                                                     |   |            |  |    |  |  |  |  |
|-----------------------------------------------------|---|------------|--|----|--|--|--|--|
| <a href="#">Ingénierie cellulaire expérimentale</a> | 4 | Annualized |  | 48 |  |  |  |  |
|-----------------------------------------------------|---|------------|--|----|--|--|--|--|

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|                                                        |   |            |    |    |  |  |  |  |
|--------------------------------------------------------|---|------------|----|----|--|--|--|--|
| <a href="#">Initiation à la médiation scientifique</a> | 4 | Semester 2 | 15 | 15 |  |  |  |  |
|--------------------------------------------------------|---|------------|----|----|--|--|--|--|

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Plateforme Animale (UC obligatoires S2)

|                                                                                                     |   |            |    |   |   |  |  |  |
|-----------------------------------------------------------------------------------------------------|---|------------|----|---|---|--|--|--|
| <a href="#">Du sauvage au domestique : évolution, places et rôles de l'animal dans nos sociétés</a> | 4 | Semester 2 | 39 | 5 | 3 |  |  |  |
|-----------------------------------------------------------------------------------------------------|---|------------|----|---|---|--|--|--|

| Subjects                                                                                 | ECTS | Semester   | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|------------------------------------------------------------------------------------------|------|------------|---------|----------------|-----------------|------------------------|-------------------------|--------------------------------|
| <a href="#">Charger le détail</a><br><a href="#">Introduction à la génétique animale</a> | 3    | Semester 2 | 15.5    | 7.5            |                 |                        |                         |                                |
| <a href="#">Charger le détail</a><br><a href="#">Modélisation et physiologie animale</a> | 4    | Semester 2 | 18      | 18             |                 |                        |                         |                                |
| <a href="#">Charger le détail</a><br><a href="#">Santé et bien-être animal</a>           | 2    | Semestre 2 | 30      |                |                 |                        |                         |                                |
| <a href="#">Charger le détail</a><br><a href="#">Ethologie et bien-être animal</a>       | 3    | Semester 2 | 15      | 7.5            | 7.5             |                        |                         |                                |
| <a href="#">Charger le détail</a>                                                        |      |            |         |                |                 |                        |                         |                                |

## Contact

- **Thomas HEAMS**
- **Philippe Schmidely**
- **Christelle Loncke**

<http://www.universite-paris-saclay.fr/formation/master/biologie-agrosciences/m1-biologie-agrosciences-animales>