Université Paris-Saclay
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M2 Development of Drugs and Health Products

Master's degree
Specialisation Pharmaceutical Science
Enrolment type
Formation initiale
Formation continue
Language(s) of instruction
English

The master D2HP "Development of Drugs and Health Products" is part of the path “Sciences du Médicament et des Produits de Santé” offered at the Université Paris-Saclay. It is an international master totally taught in English (M1 and M2) with a "research" purpose (pursuit of a Doctorate) or "professional" (direct integration into the socio-economic world at the master level).

In M1 and M2 D2HP, the program is divided into 3 axes:

• Axis 1: Current issues in the major pathologies

• Axis 2: Pharmacist’s toolbox

• Axis 3: Transversal pharmaceutical disciplines

The M2 is composed of 2 semesters:

- the first semester offers theoretical and practical courses (including core and optional courses, group works, case studies and research specialization)

- and the second semester is dedicated to a 6-month internship. At the end of their internship, the students have to defend their master’s thesis during an international symposium organized by the M1 D2HP students.

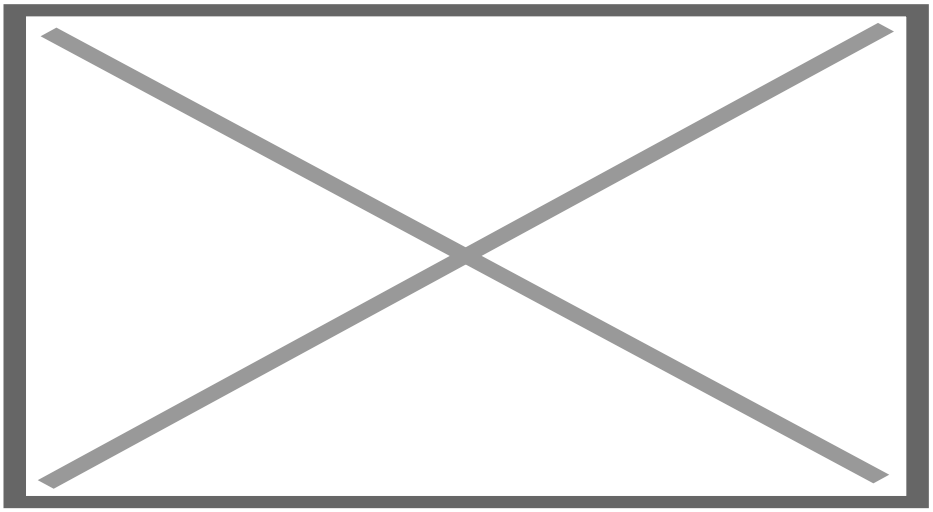
At the M2 level, the students specialize by choosing 2 of the 3 axes:

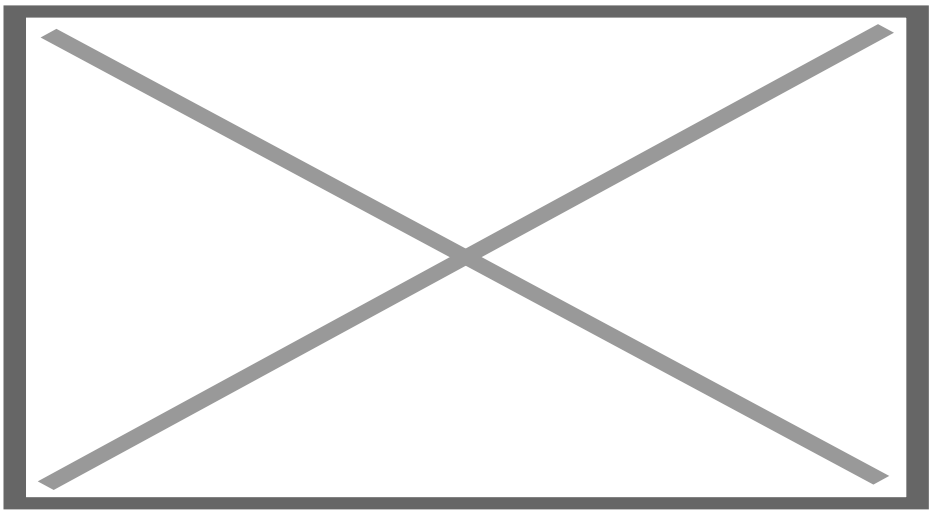
1- Axis 1 + Axis 2

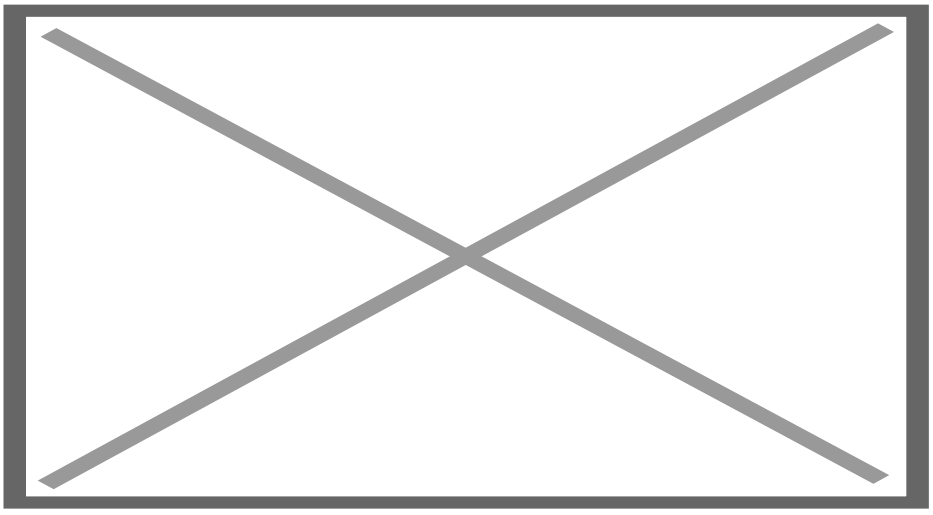
2- Axis 1 + Axis 3

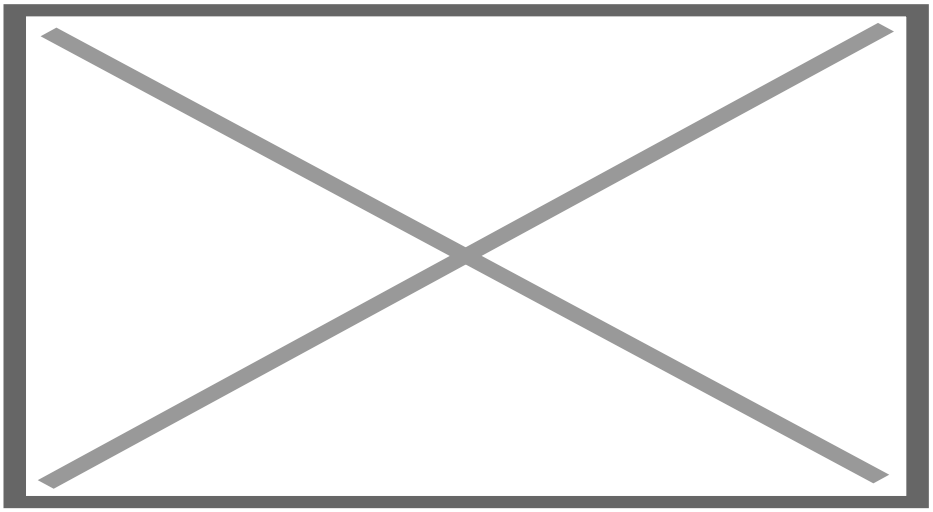
3- Axis 2 + Axis 3

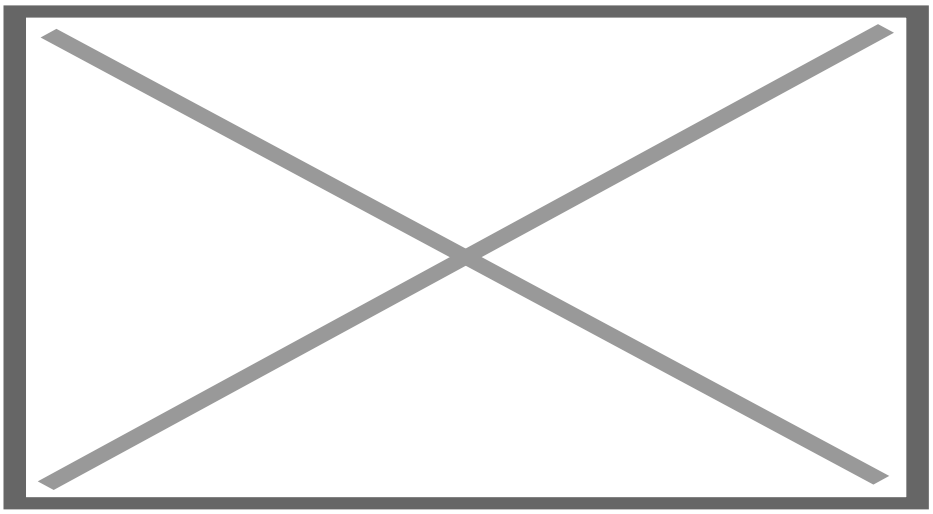
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Information

- Overview
- Application requirements
- Schedule

Présentation

Skills

The M2 D2HP will allow the development of the following skills:

- Identify the current issues in major pathologies to implement treatments and adequate preventive measures

- Develop innovative therapies for major diseases

- Adapt our current approaches to the design and production of innovative medicines

- Evaluate new therapeutic approaches and predict environmental issues

- Develop biological models in pharmaco-toxicology

- Know the principles of scientific ethics

- Analyze and present the results of a scientific publication

- Develop one’s critical thinking

- Use advanced and specialized digital tools

- Adapt communication for research, knowledge transfer or scientific popularization

- Work as a team

- Acquire project management skills

- Being able through their knowledge (hard and soft skills) to integrate into a team of collaborators in the public or private environment

Objectives

The objective of this multidisciplinary master D2HP is to train future managers in the pharmaceutical field with a versatile, scientific and technical expertise, and an opening-up to socio-economic world and/or research laboratories. The master provides advanced knowledge on the main pathologies and their underlying mechanisms in order to improve strategies to implement diagnosis, innovative treatment and prevention.

The M2 D2HP offers training in research and development of innovative medicines, drawing on the expertise of Paris-Saclay’s researchers, and professionals of Paris-Saclay’s ecosystem:

1- Development of biotechnology approaches and innovative therapies for major diseases

2- Design and production strategies for drug delivery systems applied to challenging small active pharmaceutical compounds and biomacromolecules

3- Development of pharmaco-toxicological and analytical methods for evaluation of new therapeutic approaches and prediction of associated environmental issues

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

After a Master's or Master's + PhD: engineer (research and development, control, production, etc.) in the fields of health, pharmaceuticals, agri-food, biotechnologies, instruments and reagents, cosmetics, pollution control and the environment.
After a Master's + PhD: researcher or lecturer
Research & Development Engineer
Design Engineer
Research Engineer

Further Study Opportunities

PhD

Calendar

Start of programme (indicative date)
03/09/2026
Admission

Capacity

Available Places

30

Target Audience and Entry Requirements

Admission in M2 D2HP is possible for:

- students having validated the M1 D2HP or in a field related to Global Health (Biology, Chemistry, Biotechnology or Biochemistry) in a University offering a level of education comparable to that of the Université Paris-Saclay, in France or countries from the European Union (EU)

- PharmD, MD having validated the 5th year of study or an equivalence of M1 in France or EU countries

- students with an engineering degree in the field of Health with an equivalence of M1 in France or EU countries

- People in continuous training in the field of Health. The file will be evaluated on a case-by-case basis according to the professional project and career plan.

after validation of the specific knowledge prerequisites by the M2 co-heads

and after proof of English proficiency: TOEFL, IELTS, Cambridge certifications or equivalent

Période(s) de candidature

Inception Platform

From 21/01/2026 to 10/04/2026

Supporting documents

Compulsory supporting documents

Copy diplomas.

Copy of the last diploma.

Copy of passport.

Copy of identity document.

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

Motivation letter.

Letter of recommendation or internship evaluation.

List of other masters requested (excluding Saclay).

Document at your convenience.

Indicate sources of funding envisaged (own funding, funds from the country of origin, Campus France or Paris-Saclay scholarships, etc)

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

Certificate of English level.

Curriculum Vitae.

Cambridge English certificate ou equivalent.

If your studies were completed in English, a certificate of your university is sufficient.

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

This item corresponds to the whole programme of each academic year.

Recommendation letters.

Additional supporting documents

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

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d l
TU 12 Anti-infectious therapies	3	Semestre 1	24	3					
Charger le détail									
TU13 Therapies of cardiovascular dysregulations and beyond	2	Semestre 1	12						
Charger le détail									
TU 14 Therapies of immune and haemostasis dysregulations	2	Semestre 1	16	4					
Charger le détail									
TU 15 Therapies in central nervous system diseases	2	Semestre 1	12	1.5					

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d
Charger le détail									
TU 16 Therapies in oncology	2	Semestre 1	11.5	8.5					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d
TU 17 Pharmaceutical engineering II	4	Semestre 1	18	14					
Charger le détail									
TU18 The medicinal chemist's toolbox II	3	Semestre 1	22	4					
Charger le détail									
TU 19 Biotechnology II	4	Semestre 1	30	3					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d
TU 20 Analytical Sciences II	2	Semestre 1	7	15					
Charger le détail									
TU 21 Pharmacology / Toxicology II	5	Semestre 1	18	9.5					
Charger le détail									
TU 22 Molecular modelling and artificial intelligence in drug design	2	Semestre 1	6						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d le
TU 23 Introduction to chemometrics	2	Semestre 1	4	12					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
OTU 01 Diagnosis of infectious diseases	2	Semestre 2	2	6	12			
Charger le détail								
OTU 02 French as foreign langage	2	Semestre 2						
Charger le détail								
OTU 03 Gene cloning	2	Semestre 1		2	20			
Charger le détail								
OTU 05 Pharmaceutical engineering	2	Semestre 1	3	3	12			
Charger le détail								
OTU 11 Vaccinology	2	Semestre 1						
Charger le détail								
OTU 15 Nanomedicine	2	Semestre 1						
Charger le détail								
Free teaching Unit X	2	Annualisé						

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di le c

RU 02 Initiation to Research specialization and grant application	4	Semestre 1	0	13					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distan learn cour
RU03 Internship	30	Semestre 2							

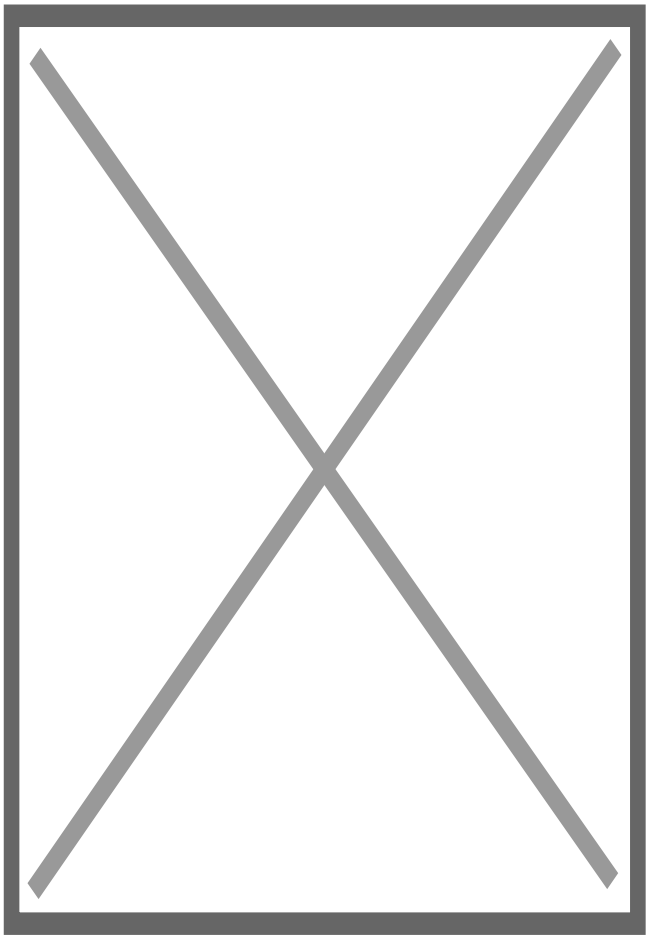
Charger le détail

Teaching Location(s)

ORSAY

Training campus

Javascript est requis pour visualiser cette carte.



Saclay Moulon

Saclay / Gif-sur-Yvette / Orsay
Bus 4606 / 4609 / 4611 / 5154
RER B Le guichet
Voir
Student restaurant (CROUS)
Library
Sports facilities
Student residence

Contact

- ### Secrétariat pédagogique

  Manager

http://www.universite-paris-saclay.fr/formation/master/sciences-du-medicament-et-des-produits-de-sante/m2-development-drugs-and-health-products