Université Paris-Saclay

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LP2 Biotechnologies pour la santé, l'alimentaire et l'environnement (BSAE)

Licence professionnelle (Vocational undergraduate degree)
Specialisation Bio-industries et biotechnologies
Enrolment type
Formation initiale
Contrat de professionnalisation
Formation en apprentissage
Formation continue
Language(s) of instruction
French

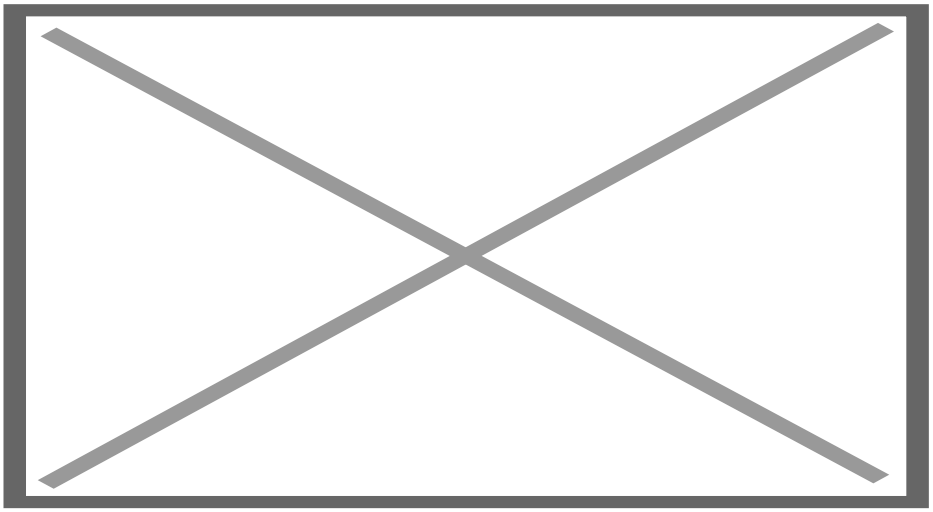
Enroll in a forward-looking program: prepare for a career as a biotechnology laboratory technician with a professional bachelor's degree focused on innovation and cutting-edge technologies in an environment of excellence, with extensive professional immersion and personalized support.

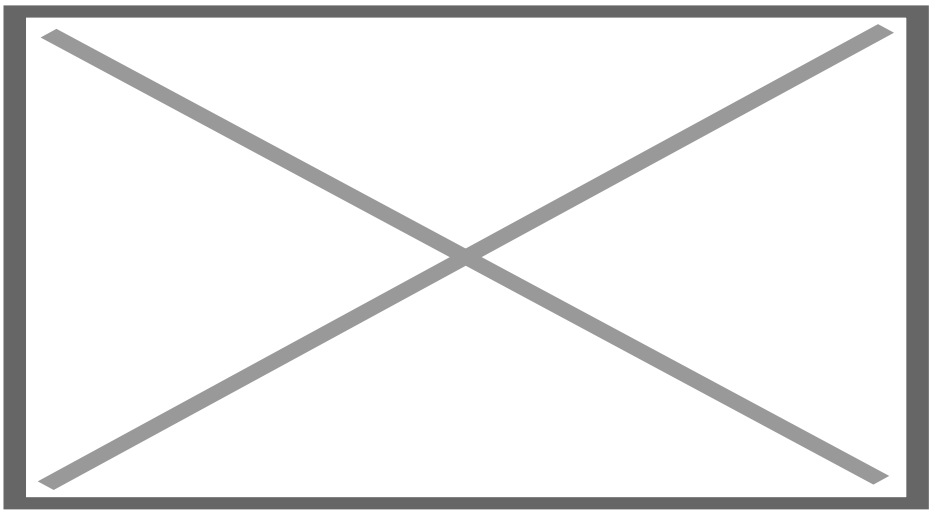
The Professional Bachelor's Degree prepares students for careers as senior laboratory technicians and assistant engineers in the dynamic biotechnology sectors: health, pharmaceuticals, agri-food, and environment. The goal? Rapid and successful entry into the workforce, thanks to practical, targeted training in line with the needs of companies and laboratories in the sector.

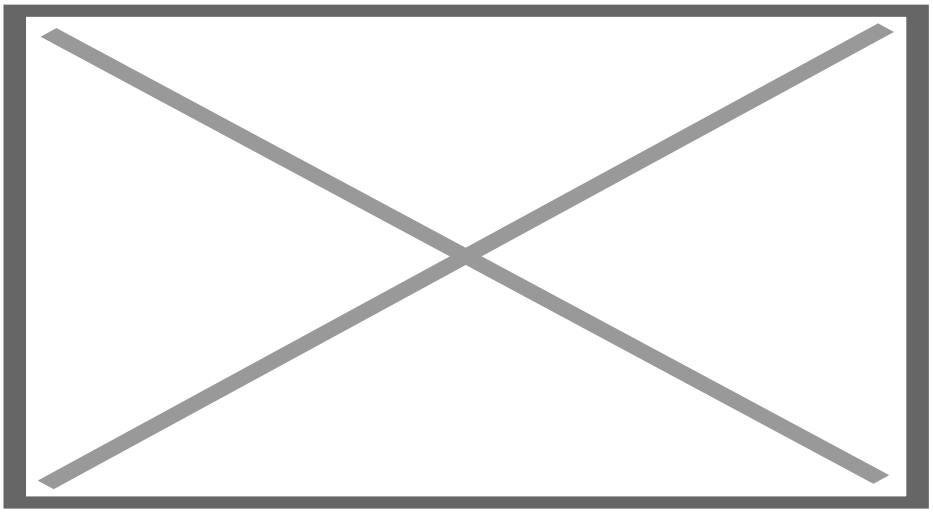
Students with a clear career plan can also consider continuing their studies in a Master's program or engineering school.

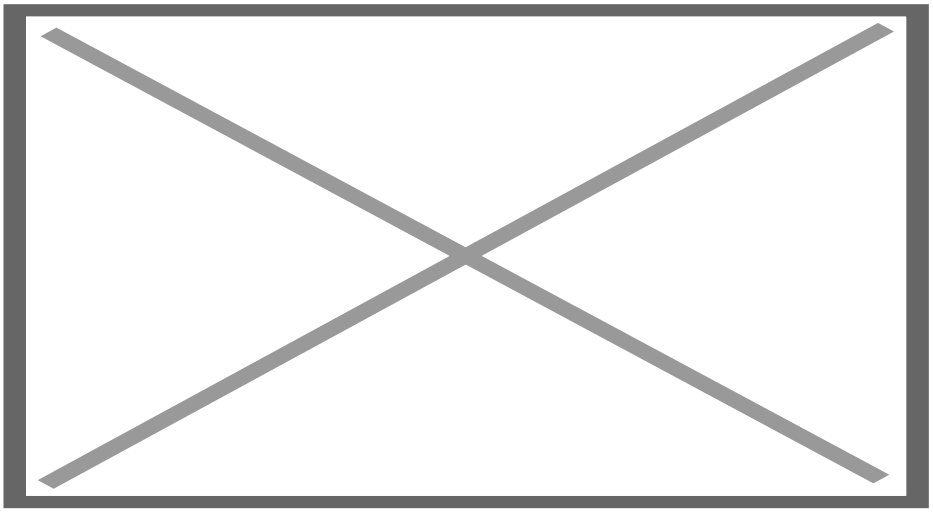
In their second year (LP2), students become apprentices. They strengthen a solid foundation of knowledge in biology/biotechnology while developing their professional skills at university and in the laboratory as part of their apprenticeship contract. Each student receives personalized support, promoting their success.

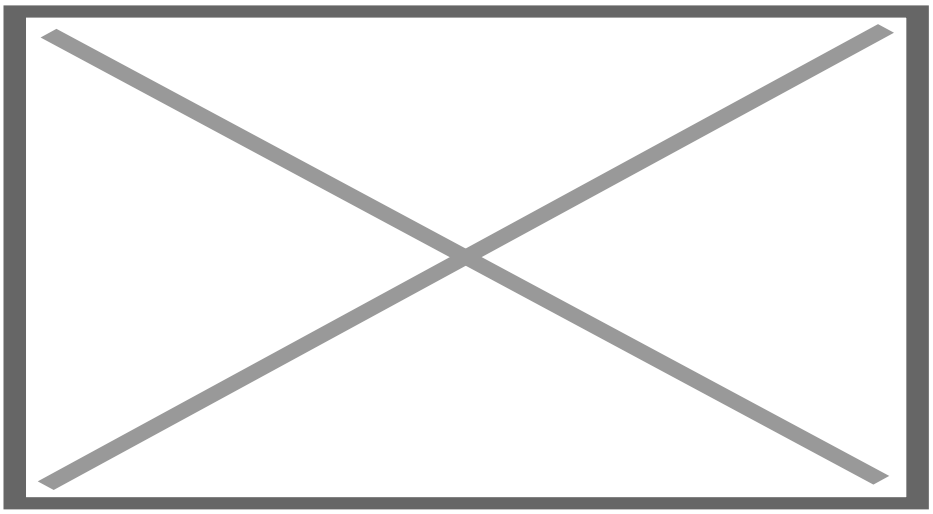
Télécharger la fiche détaillée











Information

- Overview
- Application requirements
- Schedule

Présentation

Skills

At the end of the LP2, students will be able :

- to build an experimental protocol within the framework of a scientific approach in biotechnology
- to carry out an experimental protocol and analyse the results
- work in a professional environment

Objectives

The objective is to train students for the professions of assistant engineer and senior laboratory technician, in different sectors of biology. To fulfill their missions, graduates must have acquired solid knowledge in the fundamental disciplines of biology. In addition, cross-disciplinary courses must allow them to integrate the world of work in the best conditions. In continuity with the first year of the Professional Bachelor's degree, in LP2, students will follow courses in fundamental and applied biology, bio-production and quality control, supplemented by courses in chemistry applied to biology in order to acquire a solid training for the third year (LP3). The cross-disciplinary courses (english, scientific methodology, statistics, oral and written communications, knowledge of business and bio-industries) will give the student the opportunity to build and refine their personal and professional project (PPP). The long apprenticeship period (8 months) will also allow the student to acquire professional experience and skills which will facilitate their continuation in LP3 and their professional integration.

Débouchés

Career prospects

Fields: health, pharmaceuticals, agri-food, biotechnologies, instruments and reagents, cosmetics, pollution control and the environment.
Production Technician
Quality Process Technician
Product Development Technician
Research professions

Further Study Opportunities

Biology-Agrosciences

Calendar

Start of programme (indicative date)
31/08/2026
End of programme (indicative date)
05/09/2027
Admission

Admission Route

Life Sciences

Life and Earth Sciences

Capacity

Available Places

22

Target Audience and Entry Requirements

LP2 is aimed at students who have completed a first year (60 ECTS) of a degree in biology, who are motivated by biology/biotechnology and ready to invest in professional training leading to a Bac+3 qualification. A set of general, scientific, and technical skills is desirable to promote success in the program. It is not necessary to have mastered all of these skills at the start of the program, but candidates must demonstrate a motivation to develop them throughout the course:

- Gradually adopt a professional attitude suited to the demands of academia and the business world
- get involved, organize, and manage your work independently
- Work in a team and integrate into collaborative projects
- Demonstrate curiosity, rigor, perseverance, and practical sense
- Show an interest in experimental work
- Communicate clearly and appropriately, both in writing and orally, in French
- Have a basic scientific background in biology, chemistry, and mathematics
- Be able to apply knowledge to solve problems

Programme

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dist lear cou
UE2 Chimie appliquée à la biologie - Biochimie Charger le détail	4	Semestre 1	28.5	32					
UE3 Biologie de la cellule et des organismes Charger le détail	8	Semestre 2	18	37.5	45				

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dist lear cou
UE1 Biologie moléculaire et génétique	8	Semestre 1	14	38.5	60				

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
UE4 Bio-production 1 - Biotechnologies	5	Semestre 1	8	19	43			

Charger le détail

UE5 Bio-production 2 - Contrôle qualité - Anglais technique	10	Semestre 2	19.5	59.5	60			

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
UE7 Projets en équipe en Biotechnologies	5	Semestre 2		4	6			

Charger le détail

UE8 Formation en entreprise ou en laboratoire 1	4	Semestre 1						

Charger le détail

UE9 Formation en entreprise ou en laboratoire 2	11	Semestre 2						

Charger le détail

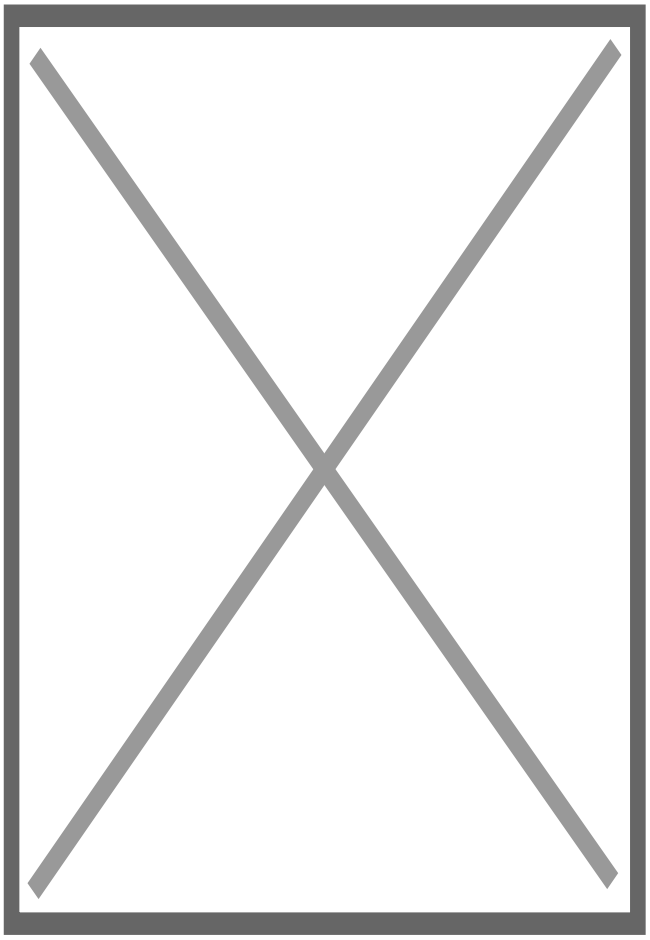
Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
UE6 Développement des compétences personnelles et professionnelles - Développement soutenable Charger le détail	5	Semestre 1	17.5	19				

Teaching Location(s)

ORSAY

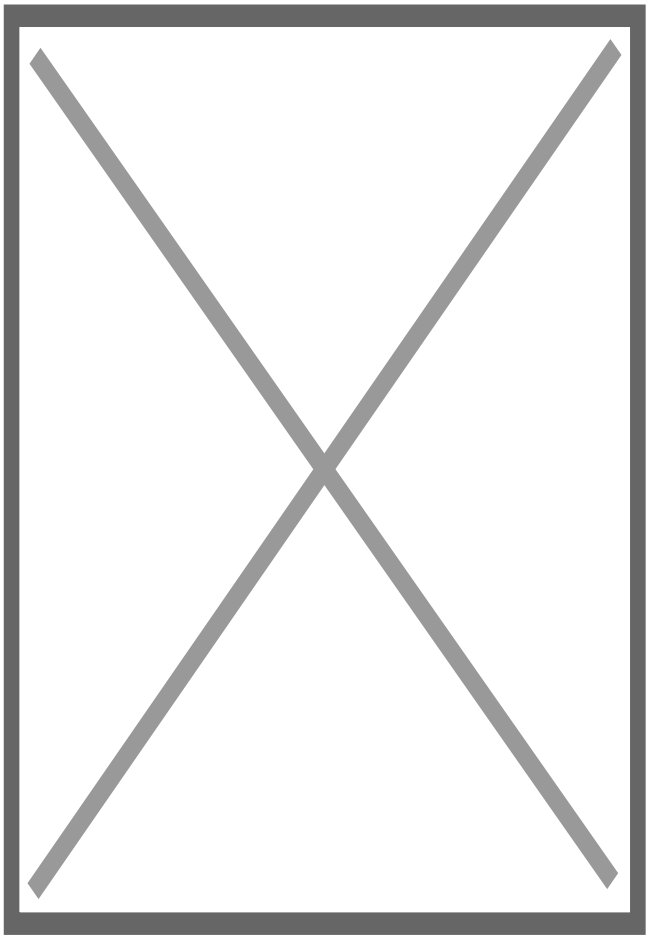
Training campus

Javascript est requis pour visualiser cette carte.



Orsay Bures

Orsay / Bures-sur-Yvette
Bus 4607, 4626
RER B Orsay ville ou Bures-sur-Yvette
Voir
Library
Community center



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

- **BIB LP2**

  responsables d'année

http://www.jm.universite-paris-saclay.fr/formation/licence-professionnelle/bio-industries-et-biotechnologies/lp2-biotechnologies-pour-la-sante-lalimentaire-et-lenvironnement-bsae