Université Paris-Saclay

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Bio-industries et biotechnologies

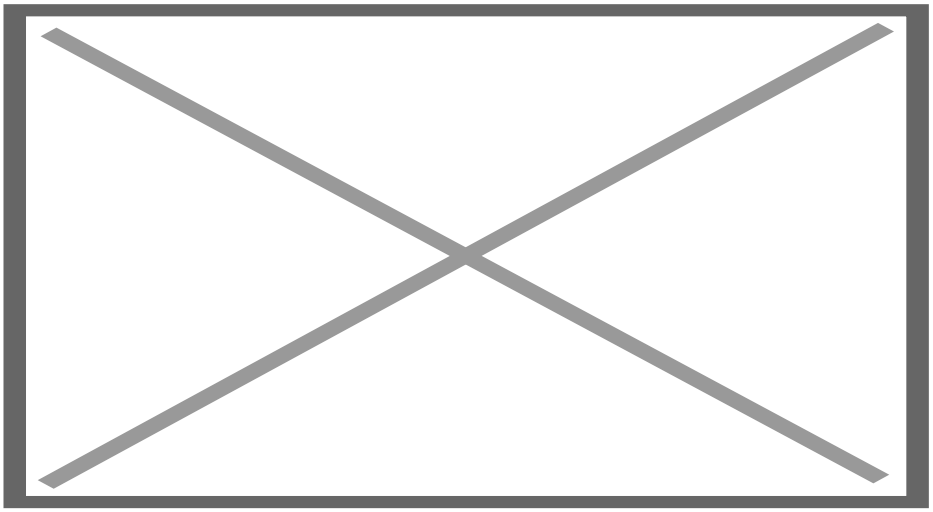
Licence professionnelle (Vocational undergraduate degree)
Language(s) of instruction
French

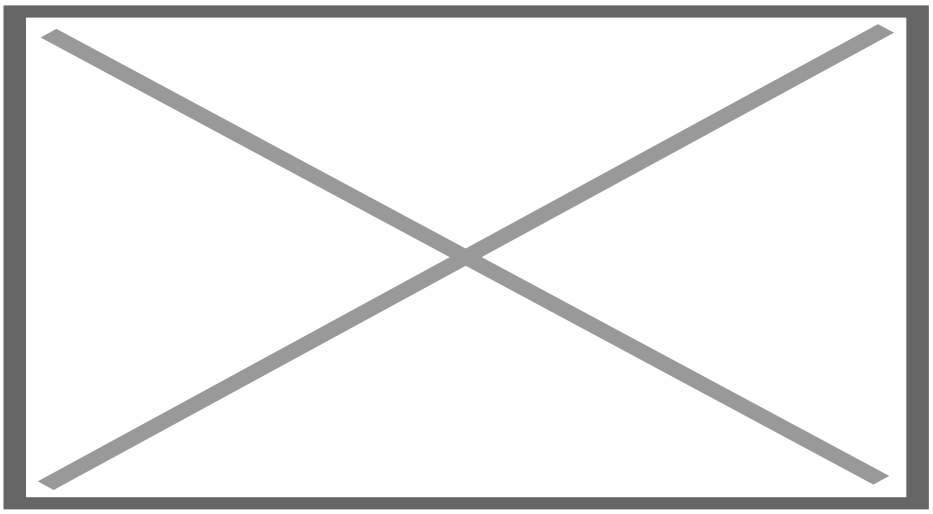
The three-year **Professional Bachelor's Degree in Bio-Industries and Biotechnology**, specialising in **Biotechnology for Health, Food and the Environment (BSAE)**, prepares students for the key roles of the future: **laboratory technician** or **engineering assistant** in **R&D**, **Production** or **Quality**.
To find out more about the course: https://lp-biotech-orsay.fr/

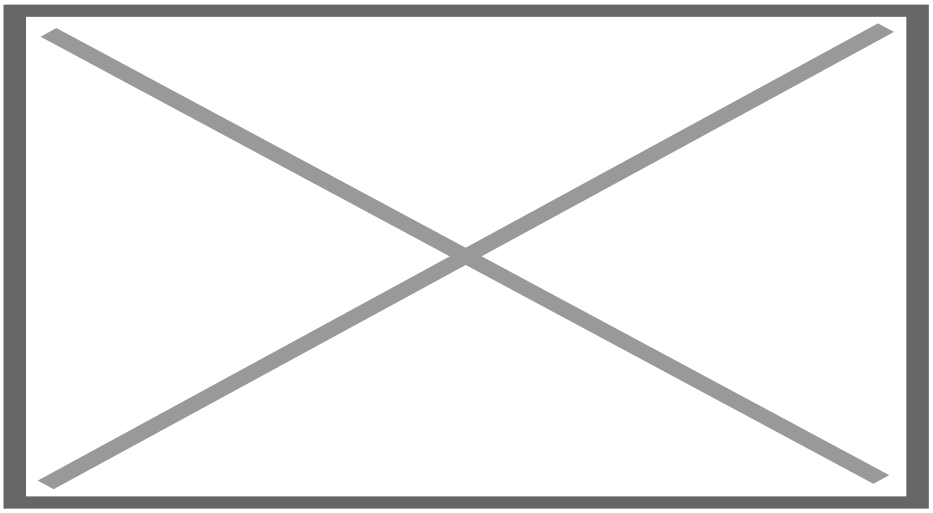
The professional degree programme offers a structured pathway designed to develop **expertise and independence** through solid practical training and teaching grounded in the realities of the biotechnology sector.

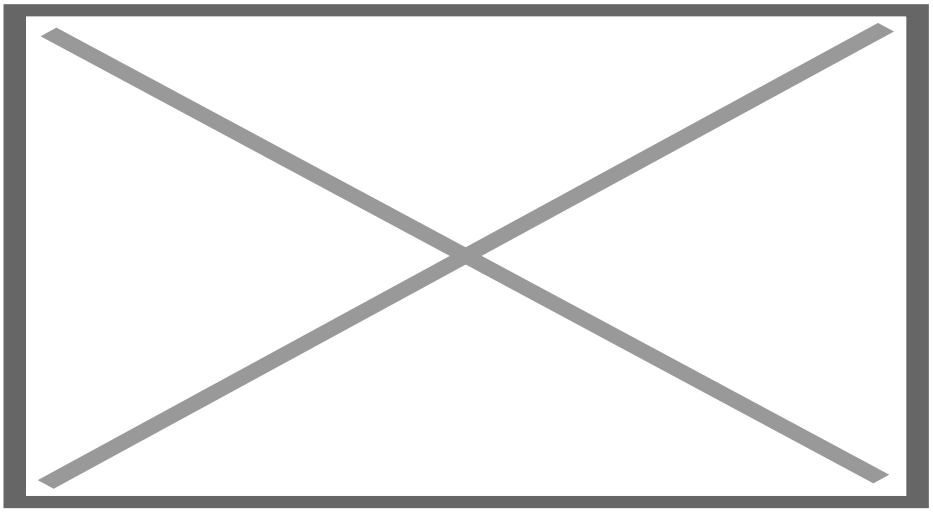
During the first two years, you gain an insight into the professional world through **internships**, before moving on to an **apprenticeship**. The result is **rapid skills development, solid experience** and a **smoother transition** into the workforce.

Télécharger la fiche détaillée









Information

- List of Pathways
- Overview
- Application requirements

Liste parcours

Licence Professionnelle - 1ère année

LP1 Biotechnologies pour la santé, l'alimentaire et l'environnement (BSAE)

Add to Compare

Licence Professionnelle - 2ème année

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

Add to Compare

Licence Professionnelle - 3ème année

LP3 Biotechnologies pour la santé, l'alimentaire et l'environnement (BSAE)

Add to Compare

Présentation

Skills

Skills are acquired progressively over the three years, and by the end of the programme, graduates will be able to:

Competency 1: Design an experimental approach within the context of scientific inquiry in biotechnology. Graduates will have learnt to utilise living organisms or their components in research, development, bioproduction and quality control.

Skill 2: Implement the established approach and interpret the results. Graduates will be able to:
• master good laboratory practice
• implement a protocol
• collect, organise and validate experimental data
• analyse experimental results using basic statistical methods
• interpret results, suggest improvements where necessary, and situate their results within the context of previous and future work

Competency 3: Operate in a professional environment. The graduate will have developed personal and professional skills and will be able to:

• successfully enter the workforce
• understand the diversity of the professional world
• find their place within the host organisation
• understand the rights and responsibilities of employees
• organise their work both within a team and independently, taking constraints into account
• communicate appropriately with their colleagues, using a variety of media

Learning outcome targets

The aim of the Professional Bachelor's degree is to prepare students for entry into the workforce after three years of higher education as engineering assistants or senior laboratory technicians in various sectors, including biotechnology, healthcare, food and the environment, and in roles within Research and Development, Production and Quality Control.

Débouchés

Career prospects

Production Technician
Quality Control / Inspection Technician
Quality Process Technician
Product Development Technician
Research professions
Laboratory technician
Forensic technician
Research technician

Further Study Opportunities

Biology-Agrosciences
Master of Biology-Agrosciences
Master of Molecular and Cellular Biology
Engineering school
Master of Biology-Health
Admission

Target audience

To enter the first year (LP1): secondary school pupils and students who hold a technological or general baccalaureate, have an interest in biology/biotechnology, and wish to pursue a vocational degree programme leading to a three-year degree.

To enter the second year (LP2): students who have successfully completed a first year of a science degree (60 ECTS) and wish to pursue a three-year professional degree programme.

To enter the third year (LP3): second-year students enrolled in a Bachelor's degree in Life Sciences or equivalent, who have successfully completed 120 ECTS and wish to enter the workforce after three years of study.

http://www.polytech.universite-paris-saclay.fr/formation/licence-professionnelle/bio-industries-et-biotechnologies