



Faculté des Sciences  
& Techniques

Le Mans Université



# Professional Bachelor

Bio-industries and  
biotechnologies

(INDEBIO)



# How does the bachelor's degree work?

## Access conditions

Students with a Bachelor's degree (Licence 2) or who have completed a Bachelor's degree in the life sciences and are looking for a fast-track career.

Students with a BTS or DUT who want to specialize in biological data analysis

## Target audience

The LP INDEBIO recruits two types of students:

**Students in the SV bachelor's program (L2 or L3)** have taken courses that have enabled them to develop analytical skills. The LP INDEBIO will enable them to join a fast-track professional training in which they can acquire and develop technical skills that go beyond the practical training offered in a general bachelor's degree, and which are appreciated by recruiting companies.

**Students coming from technological backgrounds** (BTS and DUT) have a solid technical background and can develop a specialization in biological data analysis.

This double recruitment is a win-win situation.

The content of both the DETECH and ADDBIO tracks is tailored to these two types of student. The DETECH pathway enables students who need to develop practical and technical aspects of laboratory work to gain in skills. The ADDBIO pathway enables students who already have a solid practical foundation to develop skills in data analysis acquired in the laboratory.

To achieve this dual objective, the combined strengths and facilities of LMU and LND (Lycée Notre Dame) are an invaluable asset.

## Necessary prerequisites

- \* Solid grounding (L2 SV, BTS and DUT level) in biochemistry, microbiology, cell biology and molecular biology
- \* A solid grounding in mathematics (at L2 SV, BTS or DUT level)
- \* Computer skills

## Recommended prerequisites

Have a satisfactory level of French and English

**ATTENTION: Only 16 PLACES AVAILABLE**

## Training objectives

 **Companies recruiting in biotechnology are looking for qualified technicians with the ability to analyze biological data.**

The INDEBIO Professional License enables students to acquire these technical and analytical skills, facilitating their rapid integration into the world of work.

Graduates of the LP INDEBIO are technicians capable of analyzing the biological data resulting from their experiments.

They produce statistical studies and reports in order to propose appropriate strategies and technologies to achieve their companies' objectives.

## SKILLS

The LP INDEBIO enables students to develop technical and practical skills (microbiology, biochemistry, cellular and molecular biology, etc.) and acquire data analysis skills.

in biology (biostatistics, bioinformatics, etc.) Professionals reinforce the teaching team in practical and theoretical courses (e.g. hygiene, quality and safety, anatomical pathology, management, etc.).

## → TRAINING ADVANTAGES

Work-study training for easy integration into the corporate world.

Recognized training designed with professionals in mind.

The courses are taught by :

High-level teaching and research staff affiliated with laboratories of national and international renown.

## Training content

UE1: French, English and communication (60h)

UE2: Biostatistics and Bioinformatics (40h)

UE3: Production management (30h) UE4:

Hygiene, quality and safety (45h) UE5:

Mathematics and physical chemistry (60h)

(For ex BTS, DUT...)

UE6 : Analytical techniques 1 (60h)  
(For ex L2 and equivalent)

UE7: Analysis techniques 2 (90h)

UE8: Anato-pathology (45h)

UE9: Tutored project

UE10 : Work placement (38 weeks)

## What next?

**Graduates of the LP INDEBIO will be eligible for positions as :**

Technician, Engineering assistant, Project manager....

**In the following areas:**

Agri-food, R&D, Bio-production, Quality, Hospital, Anato-pathology, Bioinformatics, QHSE, Technical sales...

## How to register?

Applications can be submitted online via the University's application system at: [www.univ-lemans.fr/inscription](http://www.univ-lemans.fr/inscription)

It is still possible for students to enter the LP INDEBIO from outside the bachelor's degree, BTS or DUT, if the necessary prerequisites are met, particularly for foreign students.

## Registration fee :

As an indication, LP registration fees for the 2023-2024 academic year are €100, payable after payment of the CVEC ([cvec.etudiant.gouv.fr](http://cvec.etudiant.gouv.fr)).

Scholarship holders are exempt from paying the CVEC and registration fees. Students who have received a conditional grant are automatically detected on the site, and can download their CVEC payment certificate at the end of the process.

Note: to apply for scholarships and accommodation (DES) for the start of the new school year, go to the CROUS website in mid-January:

[www.crous-nantes.fr/bourses/](http://www.crous-nantes.fr/bourses/)



*The information contained in this document is given for guidance only and may be subject to change. It should not be considered as contractual.*

## Head of LP :

EAD  Alternance

## Website :

School department :

[sco-sciences@univ-lemans.fr](mailto:sco-sciences@univ-lemans.fr)

+33 2 43 83 32 07

Referral service :

[suio@univ-lemans.fr](mailto:suio@univ-lemans.fr)

+33 2 44 02 20 64

Le Mans University :

[www.univ-lemans.fr](http://www.univ-lemans.fr)

Faculty of Science :

[sciences.univ-lemans.fr](http://sciences.univ-lemans.fr)

## Training location :

Le Mans University  
Avenue Olivier Messiaen  
72085 Le Mans Cedex 9

10011



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