

Tell me more about **LIFE SCIENCE**

- I have a natural curiosity for science.
- I have a good capacity for analysis and abstraction.
- I enjoy manipulating things, making observations through a microscope and studying the result.
- I would like to work in medical research.
- I'm interested in technological innovations.
- I'm aware of environmental problems.
- I would like to share and communicate my fascination for science.
- I have a solid grounding in scientific subjects.
- Candidates should ideally have a secondary-level background in science.

Most of the professions listed require master's level qualifications, but some of them can be accessed after 2 or 3 years' higher education.

Examples taken from the list of professions compiled by ODIF (Observatoire de la Direction des Formations), part of the University of Lille.

WHICH PROFESSIONS?

AGRI-FOOD - NUTRITION

- Agri-food engineer
- Food safety and risks engineer
- Nutrition consultant

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BIOLOGY- HEALTHCARE

- Medical biologist
- Biologist in the pharmaceutical industry
- Geneticist

...

BIOCHEMISTRY - BIOTECHNOLOGY

- Biotechnology engineer
- Biochemistry design engineer
- Biochemist

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TEACHING - RESEARCH

- University lecturer
- Research engineer
- Primary school teacher
- Secondary school teacher

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ENVIRONMENT

- Environmental biologist
- Environmental consultant
- Environmental adviser
- Engineer
- Zoologist
- Botanist
- Head of wildlife research

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TRAINING - COMMUNICATION

- Science instructor
- Scientific mediator

...

IT

- Biostatistician
- Bioinformatician

...

UNIVERSITY OF LILLE

Tell me more about LIFE SCIENCE

POST-SECONDARY COURSES AVAILABLE AT THE UNIVERSITY OF LILLE

PROFESSIONAL TRAINING IN 2 YEARS

Theory combined with apprenticeships in the field. Selective admission.

DUT BIOLOGICAL ENGINEERING

Trains scientific technicians in healthcare, nutrition and industrial and food engineering. Three options are available depending on the chosen sector: Food and biological industries | Biological and biochemical analyses | Dietetics.

The Deust programme is available to applicants who have completed one semester of university studies.

DEUST ENVIRONMENT AND WASTE

Trains environmental technicians with two primary focuses: the management and processing of waste water, and the collection and reuse of waste.

DEUST FOOD DISTRIBUTION AND QUALITY

Provides multidisciplinary training with a professional focus on the agri-food sector. This course enables graduates to take up quality control or management positions relating to fresh or processed food products.

DEUST MULTILINGUAL NATURALIST

AVAILABLE AS PARALLEL STUDENT/EMPLOYEE PROGRAMME

Trains environmental professionals with a solid grounding in botany, zoology, geology and foreign languages (English, Spanish and Dutch) to serve as guides and educate visitors in protected areas (regional or national parks, nature reserves, listed sites, etc.).

3-YEAR BACHELOR'S DEGREES

Theoretical grounding to prepare for further study up to master's level and/or civil service examinations.

The **Life, Earth and Environmental Sciences** (SVTE) programme offers gradual specialisation, with students making their definitive choice in semester 3. For those who wish to study life science, different options are available beginning in semester 4.

DEGREE LIFE SCIENCE

OPTION LIFE SCIENCE

Course available from semester 1 to semester 3, providing students with a solid understanding of the structure, physical and chemical properties and metabolism (synthesis, catabolism, regulation) of the 4 major families of molecules found in the living world (carbohydrates, lipids, proteins and nucleic acids).

DEGREE LIFE SCIENCE

OPTION BIOLOGY OF ORGANISMS AND POPULATIONS

Option available from semester 4, introducing students to the biology of fauna and flora, quantitative and population genetics, ecophysiology, population biology, ecotoxicology, community ecology, how land and marine ecosystems work, and biodiversity management.

DEGREE LIFE SCIENCE

OPTION CELLULAR BIOLOGY AND PHYSIOLOGY

Option available from semester 4, providing students with a solid understanding of cellular and developmental biology, genetics, microbiology, biochemistry and animal/plant physiology.

DEGREE LIFE SCIENCE

OPTION BIOCHEMISTRY

Option available from semester 4, providing an interface between biology and chemistry to meet the high level of demand for interdisciplinarity between the different scientific fields and growth in the biotechnology sector.

DEGREE LIFE & EARTH SCIENCES

OPTION LIFE & EARTH SCIENCES

Course focused on the living world, geology and the environment to prepare students for a career in teaching.

3-YEAR BACHELOR'S DEGREES

SPECIFIC BACHELOR'S DEGREE PROGRAMMES

DEGREE **LIFE SCIENCE** COURSE MASTER'S IN ENGINEERING (CMI) BIOTECHNOLOGY & BIOENGINEERING

Course available from year 1 and taught over 5 years. Based on the coursework of the primary degree with additional modules. Graduates qualify as engineers.

OPTION **PEIP**

2-year programme to prepare for Polytech engineering schools. Based on the same teaching as the regular programme but with additional coursework focusing on engineering as a profession and English language skills with a view to gaining admission to the engineering cycle of the Polytechnetwork.

DEGREE **LIFE SCIENCE** OPTION **LIFE SCIENCE (BILINGUAL)**

Provides English language skills specific to scientific disciplines as well as a solid grounding in life science for students who intend to complete lengthy studies.

OPTION **(TAILORED) SVTE**

Course intended for holders of a technological baccalaureate or equivalent to help them succeed and pursue their studies to bachelor's level in Life science, Earth science or combined Life & Earth sciences.

POUR SE PRÉPARER AU PROFESSORAT DES ÉCOLES

DEGREE **EDUCATIONAL SCIENCE** OPTION **SCIENTIFIC TRAINING AND COMMUNICATION (FOCUS)**

Option available to bachelor's students in semester 4. Generalist scientific modules and an initiation for instructors, moderators and communication roles in scientific fields. Particularly suited to graduates wishing to work as primary school teachers.

AFTER 2 YEARS OF HIGHER EDUCATION

Whatever your background, you have the option of completing professional training. This course lasts one year and allows you to specialise, obtain a dual qualification or enter the job market after 3 years in higher education. This professional diploma is designed to lead immediately to employment.

AFTER A BACHELOR'S DEGREE

You can continue your studies to master's level (5 years in higher education) in fields such as biology, healthcare, biotechnology, chemistry and life science, biodiversity, ecology and evolution, nutrition and food science.

Graduates can also apply for admission to engineering schools at the end of their 2nd or 3rd year (e.g. Polytech'Lille).






The information here is valid for the reference year 2018-2019. The academic programmes at ULille are subject to change in September 2020

More info: consult the catalogue of courses at <https://www.univ-lille.fr/formations> or contact **SUAIO**

PARCOURSUP

Find out about the requirements and terms of access for each course at: www.parcoursup.fr

Main campuses:

-  Campus Cité scientifique (V. D'Ascq)
-  Campus Moulins-Ronchin
-  Campus Pont-de-Bois (V. D'Ascq)
-  Campus Roubaix-Tourcoing
-  Campus Santé (Lille ; Loos)

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