



## Bachelor in Veterinary Medicine

By decree of the French Community of Belgium, non-resident students have limited access to the programme.

Learn more at: [www.ulb.be/enseignements/inscriptions/etudes-contingentes.html](http://www.ulb.be/enseignements/inscriptions/etudes-contingentes.html) [<http://www.ulb.be/enseignements/inscriptions/etudes-contingentes.html>]

**TOSS** (Mandatory orientation test): in order to enrol in a Bachelor programme in veterinary medicine, you are required to sit the orientation test for health studies ('TOSS'), but its results are not binding. Learn more on the ARES website [<http://www.ares-ac.be/fr/etudes-superieures/en-pratique/conditions-d-acces/test-d-orientation-du-secteur-de-la-sante>].

### Programme mnemonic

BA-VETE

### Studies level

Bachelor

### Learning language

french

### Schedule

office hours

### Studies category / subcategory

Health / Veterinary sciences

### Campus

Erasme

## Programme's added value

Bachelors in Veterinary Medicine graduates at the ULB access automatically

at the Master in Veterinary Medicine which is organized by the Federation Wallonia-Brussels only at the University of Liège and lasts three units. Success rate is excellent.

During the course you will have the opportunity to develop your skills in documentary research, macroscopic and microscopic observation, observation of the way live animals function. This will help you to improve your dexterity as well as your powers of reasoning and critical analysis.

Students thrive in an environment of high level scientific Campus, Erasme campus devoted to health sciences. Section of Veterinary Medicine of the ULB is the only organized in a Faculty of Medicine, it brings the human and veterinary medicine in its fundamental dimension. A multidisciplinary team of researchers and clinicians internationally recognized (veterinarians, physicians, biologists, ...), provides students with a solid training focuses on the scientific criticism, openness and the clinical approach. Training at the university devotes a prominent place in the work practices, personal work, internships and teaching in the field (farm visits and livestock, an insemination center, the farrier school, ...). The human scale of the section permits to develop a pedagogy, where friendly and interactive discussions, observations and manipulations benefit everyone. At the end of the third unites bachelor, a one-day multidisciplinary scientific congress puts students in the spotlight by allowing them to make personal work.

## Programme objectives

Veterinary studies allow the student to become operational in all areas of veterinary medicine curative and preventive, individual and in group as well as in the fields of public health and research in health sciences. 3 units Bachelor of Veterinary Medicine prepare to understanding of the development of the animal organism, genetics, macroscopic and microscopic structures as well as cellular functioning and integrated pets. They prepare the student for the Master of Veterinary Medicine through the acquisition of a thorough knowledge of the animal in good health, developing scientific curiosity, his reasoning, his ability to synthesis and critical mind clinic, his dexterity and great human qualities.



## Teaching methods

Throughout the curriculum, teaching theory is richly complemented by interactive seminars and practical sessions in small groups, led by personal work, an internship at a veterinary practitioner and visits to farms that allow apprehend the practice and the realities of the profession in the field.

## Succeed in your studies

### Choose

The information and guidance counsellors at the InfOR-études [<https://www.ulb.be/en/studies-info-desk-1>] service will help you choose your studies throughout the year.

### Succeed

Take part in preparatory courses [<https://www.ulb.be/en/studies-info-desk-1>] or get help to succeed [<https://www.ulb.be/en/studies-info-desk-1>], before or during your studies.

### Get help

Apply for financial aid, look for accommodation or a student job, get support [<https://www.ulb.be/fr/aides-services-et-accompagnement/aid-services-and-support-1>] for your specific needs.

## Job opportunities

Any holder of a Master's degree in Veterinary Medicine will move to professionally:

- > Specialization
- > Practitioner in small animal, equine, livestock and new pets (independent or veterinary clinic)
- > The pharmaceutical industry and agribusiness in research and development (or commercial)
- > Teaching and research
- > Public Health (animal health, food inspection, inspection of pharmacies)
- > Artificial insemination and gynecology
- > Development cooperation

### Contacts

 <https://medecine.ulb.be/version-francaise/contact>

### Jury Presidents

DELPHINE PAUL (bloc 1), Laurence LADRIERE (bloc 1), Kathleen MC ENTEE (bloc 2 & 3) and Pascale LYBAERT (bloc 2 & 3)

### Jury Secretaries

Pascal LAURENT (bloc 1) and Anne BOTTEAUX (bloc 2 & 3)



# Bachelor in Veterinary Medicine

The program includes a general education in biology, chemistry, physics, mathematics, statistics and computer science as well as specific training in veterinary anatomy, embryology, histology, physiology, biochemistry, genetics, immunology, microbiology, nutrition, ethology, anthropology and ecology. The first unit is dedicated to

basic science education but there is already a specific course entitled "Structures, functions, adaptations and diversity of domestic animals." From the second year, the curriculum, Veterinary Medicine is clearly distinguishable. Some subjects such as biochemistry, immunology and microbiology are divided into a general part in unit 2 and a specific part in the third unit; other subjects such as anatomy, histology and physiology also spread on the unit 2 and unit 3 but are entirely dedicated to the animal.

## Bloc 1 | BA-VETE

### Cours obligatoires

- |            |   |
|------------|---|
| BIOL-G1102 | <b>Biologie générale (Module I)</b>   Laurence LADRIERE (Coordinator)<br>🕒 5 credits [lecture: 60h, tutorial classes: 5h] 📅 first term 🗨️ French  |
| BIOL-G1103 | <b>Biologie des organismes et du développement (Module II)</b>   Laurence LADRIERE (Coordinator)<br>🕒 10 credits [lecture: 45h, practical work: 45h] 📅 first and second terms 🗨️ French   |
| CHIM-G1103 | <b>Base chimiques pour les sciences biomédicales et du vivant - Module I</b>   Pascal LAURENT (Coordinator) and Mohamed AZARKAN<br>🕒 5 credits [lecture: 54h, tutorial classes: 24h] 📅 first term 🗨️ French                         |
| CHIM-G1104 | <b>Base chimiques pour les sciences biomédicales et du vivant - Module II</b>   Pascal LAURENT (Coordinator) and Mohamed AZARKAN<br>🕒 10 credits [lecture: 56h, tutorial classes: 24h, practical work: 26h] 📅 second term 🗨️ French |
| MATH-G1101 | <b>Mathématiques appliquées aux Sciences de la Vie</b>   Caroline VERHOEVEN (Coordinator)<br>🕒 5 credits [lecture: 30h, tutorial classes: 35h] 📅 first term 🗨️ French   |
| MEDI-G1101 | <b>Evolution de la réflexion scientifique biomédicale</b>   Jean-Noël MISSA (Coordinator)<br>🕒 5 credits [lecture: 12h] 📅 second term 🗨️ French   |
| PHYS-G1103 | <b>Physique appliquée aux sciences de la Vie- Module I</b>   Antonin ROVAI (Coordinator) and Vincent WENS<br>🕒 10 credits [lecture: 60h, tutorial classes: 45h] 📅 first term 🗨️ French  |
| PHYS-G1104 | <b>Physique appliquée aux sciences de la Vie- Module II</b>   Antonin ROVAI (Coordinator) and Vincent WENS<br>🕒 5 credits [lecture: 30h, tutorial classes: 20h] 📅 second term 🗨️ French   |
| VETE-G1101 | <b>Structures, fonctions, adaptations et diversité des animaux domestiques</b>   Kathleen MC ENTEE (Coordinator), Stéphanie GLINEUR and DELPHINE PAUL<br>🕒 5 credits [lecture: 30h] 📅 second term 🗨️ French                         |

# Bachelor in Veterinary Medicine

## Bloc 2 | BA-VETE

### Cours obligatoires

- BIOL-G2202 **Biologie moléculaire de la cellule** | Françoise ROTHE (Coordinator)  
⌚ 5 credits [lecture: 50h] 📅 first term 🗨️ French
- BMOL-G2205 **Immunologie et microbiologie 1** | Anne BOTTEAUX (Coordinator), Olivier DENIS and Fabienne WILLEMS  
⌚ 5 credits [lecture: 45h] 📅 second term 🗨️ French
- BMOL-G2206 **Biochimie** | Marie-Isabelle GARCIA (Coordinator), Jean-Yves SPRINGAEL and Pascale VERTONGEN  
⌚ 10 credits [lecture: 72h, practical work: 40h] 📅 first and second terms
- INFO-G2203 **Biostatistique, épidémiologie et recherche bibliographique** | Caroline VERHOEVEN (Coordinator), Rachida BENSLIMAN and Alain LEVEQUE  
⌚ 5 credits [lecture: 31h, practical work: 43h] 📅 first and second terms 🗨️ French
- VETE-G2206 **Ethnographie et écologie des animaux domestiques** | François-Xavier PHILIPPE (Coordinator)  
⌚ 5 credits [lecture: 57h, practical work: 12h, field trips: 10h] 📅 first and second terms 🗨️ French
- VETE-G2207 **Ethologie** | Grégory SEMPO (Coordinator) and François-Xavier PHILIPPE  
⌚ 5 credits [lecture: 48h, practical work: 12h] 📅 first term 🗨️ French
- VETE-G2208 **Histo-physiologie générale** | Kathleen MC ENTEE (Coordinator) and Pascale LYBAERT  
⌚ 5 credits [lecture: 36h, practical work: 26h] 📅 first term 🗨️ French
- VETE-G2209 **Histo-physiologie 1** | Kathleen MC ENTEE (Coordinator) and Pascale LYBAERT  
⌚ 5 credits [lecture: 36h, practical work: 27h] 📅 second term 🗨️ French
- VETE-G2210 **Anatomie du système loco-moteur** | DELPHINE PAUL (Coordinator)  
⌚ 5 credits [lecture: 50h, practical work: 55h] 📅 first term 🗨️ French
- VETE-G2211 **Morphologie 1** | DELPHINE PAUL (Coordinator) and Stéphane LOURYAN  
⌚ 10 credits [lecture: 20h, practical work: 8h] 📅 second term 🗨️ French

# Bachelor in Veterinary Medicine

## Bloc 3 | BA-VETE

### Cours obligatoires

- TRAN-G3304 **Outils transversaux, anglais scientifique, stages, travail personnel et séminaires de biophysique** | Kathleen MC ENTEE (Coordinator)  
🕒 10 credits [lecture: 12h, seminars: 20h, work placement: 50h, personal assignments: 45h] 📅 first and second terms 🗨️ French
- VETE-G3305 **Biochimie appliquée et Nutrition** | Myrielle MATHIEU (Coordinator) and Marianne DIEZ  
🕒 5 credits [lecture: 67h] 📅 second term 🗨️ French
- VETE-G3308 **Génétique des animaux domestiques** | Stéphanie GLINEUR (Coordinator)  
🕒 5 credits [lecture: 45h, practical work: 15h] 📅 first and second terms 🗨️ French
- VETE-G3311 **Anatomie des animaux domestiques** | DELPHINE PAUL (Coordinator)  
🕒 10 credits [lecture: 50h, practical work: 65h] 📅 first term 🗨️ French
- VETE-G3312 **Anatomie clinique** | Anne-Laure ETIENNE (Coordinator) and Laurence EVRARD  
🕒 5 credits [lecture: 30h, practical work: 10h] 📅 second term 🗨️ French
- VETE-G3313 **Histo-physiologie du système reproducteur** | Pascale LYBAERT (Coordinator), Myrielle MATHIEU and Kathleen MC ENTEE  
🕒 5 credits [lecture: 62h, practical work: 40h] 📅 first term 🗨️ French
- VETE-G3314 **Histo-physiologie 2** | Pascale LYBAERT (Coordinator) and Kathleen MC ENTEE  
🕒 10 credits [lecture: 62h, practical work: 40h] 📅 first and second terms 🗨️ French
- VETE-G3315 **Bactériologie, biosécurité, immunologie et santé publique** | Anne BOTTEAUX (Coordinator), Michel BRAUN, Safia KAIDI and Charles-Étienne NAVEZ  
🕒 5 credits [lecture: 48h, practical work: 18h] 📅 first term 🗨️ French
- VETE-G3316 **Virologie et parasitologie** | Olivier VANDENBERG (Coordinator), Olivier DENIS, Maya HITES and Alain Vanderplasschen  
🕒 5 credits [lecture: 32h, practical work: 9h] 📅 second term 🗨️ French