

# 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

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| 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

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## 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