

VETE1BA - Introduction

Introduction

VETE1BA - Teaching profile

Learning outcomes

The first year of studies focuses on the acquisition of the core skills and knowledge in the basic sciences such as Chemistry, Biology, Mathematics and Physics.

The general objective of the second and third years is to give the students a solid grounding in the various aspects of the Biology of the most common healthy domestic animals (horses, bovines, ovines, pigs and birds). The courses are conceived in a complementary manner so that the student can integrate them into a coherent ensemble, by means of his individual work and self-study.

In addition to these studies, the bachelor's programme in Veterinary Medicine will enable the student to acquire expertise in documentary research, and in computer-aided preparation and presentations of written and oral reports in French and English.

On successful completion of this programme, each student is able to :

1) Maîtriser et utiliser les principaux concepts des sciences fondamentales et disciplinaires nécessaires à la compréhension de la complexité d'un être vivant.

1.1. Démontrer une compréhension approfondie des concepts de base des sciences fondamentales :

- organiser, par l'étude des concepts fondamentaux de la biologie, ses connaissances disciplinaires dans une perspective évolutionniste et centrées sur l'organisme animal.
- maîtriser, en chimie générale et en chimie organique, la dimension moléculaire de la matière vivante, prérequis indispensable à l'étude de son fonctionnement normal ou anormal.
- maîtriser, en physique et en mathématiques générales, les lois fondamentales de l'univers qui président à tout phénomène, y compris celui de la vie, mais également, plus encore que par l'étude des autres matières, se confronter à la rigueur du raisonnement logique de la démarche scientifique.
- développer, par les probabilités et les statistiques, un esprit d'analyse critique, la maîtrise du raisonnement par hypothèse ainsi que la compréhension et l'interprétation d'un résultat statistique.

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- Décrire et appliquer rigoureusement les normes de sécurité et d'hygiène relatives à ces instruments et aux techniques d'analyse et

Animal Biochemistry, Physiology and Histology

- Animal Biochemistry, Physiology and Histology (6 credits)
- Animal Biochemistry (2 credits)
- Physiology of Domestic Animals (13 credits)
- Special Histology and Domestic Animals (9 credits)
- Animal Cellular Biology (2 credits)

Biostatistics (8 credits)

Immunology (3 credits)

Microbiology (4 credits)

Ethology (4 credits)

Genetics (5 credits)

Ethnography (5 credits)

Integrated Seminars (2 credits)

Philosophy (2 credits)

Computing Science (2 credits)

English (6 credits)

Integrated practical work (5 credits)

VETE1BA Programme

Detailed programme by subject


- Mandatory
 - ✘ Optional
 - △ Not offered in 2024-2025
 - ⊙ Not offered in 2024-2025 but offered the following year
 - ⊕ Offered in 2024-2025 but not the following year
 - △ 0 0.5 m 4808t not the following year
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o **Content:**

o **Biologie**



o Culture et esprit scientifique

o LVETE1101	Introduction to public health and economy	Jean-Paul Dehoux François-Xavier Philippe	100 [q2] [30h] [3 Credits] 
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VETE1BA - 2ND ANNUAL UNIT

- Mandatory
- ✘ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

o Content:

o Chimie et biochimie

● LCHM1271V	Elements of biochemistry	Patrice Soumillion	(FR) [q1] [20h] [2 Credits] 🌐
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o Ethologie

○ LVETE1230	Domestic Animals Ethology	Marc Vandenheede	PS [q2] [30h +15h] [4 Credits] 🌐
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o Ethnographie

○ LVETE1280	Ethnographie et appréciation des animaux domestiques	Christophe Boccart Marc Vandenheede	PS [q2] [45h +20h] [6 Credits] 🌐
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o Anglais

○ LANG1862	English: reading and listening comprehension of scientific texts	Ahmed Adriouche (coord.) Catherine Avery Ariane Halleux (coord.) Adrien Kefer (compensates Amandine Dumont)	
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VETE1BA - 3RD ANNUAL UNIT

- Mandatory
 - ✘ Optional
 - △ Not offered in 2024-2025
 - ⊖ Not offered in 2024-2025 but offered the following year
 - ⊕ Offered in 2024-2025 but not the following year
 - △ ⊕ Not offered in 2024-2025 or the following year
 - Activity with requisites
 - 🌐 Open to incoming exchange students
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o Génétique

○ LBIR1352	General genetics	Philippe Baret Annika Gillis (coord.) Jacques Mahillon	ES [q2] [45h +15h] [5 Credits]
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o Séminaires et exercices intégrés

○ LVETE1300	Integrated Seminars	Melissa Page (coord.) Muriel Quinet René Rezsóhazy Patrice Soumillon	ES [q2] [0h +25h] [2 Credits]
○ LVETE1381	Integrated exercises	Cathy Debier Jean-Paul Dehoux Isabelle Donnay (coord.) Françoise Gofflot Jean-François Rees René Rezsóhazy	ES [q1+q2] [0h +50h] [5 Credits]

o Anglais

○ LANG1863	English for Students in Sciences (Upper-Intermediate level)	Ahmed Adriouche (coord.) Catherine Avery (coord.) Amandine Dumont (coord.) Sandrine Jacob (coord.) Adrien Kefer (compensates Amandine Dumont) Nevin Serbest Florence Simon (coord.) Marine Volpe	ES [q1 or q2] [30h] [2 Credits]
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o Stage

○ LVETE1244	Initiation à la ruralité et stage d'immersion en milieu animalier	Isabelle Donnay	ES [q1 or q2] [50h] [2 Credits]
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⌘ Optional courses

These credits are not counted within the 120 required credits.

⌘ LSST1001	IngénieuxSud	Stéphanie Merle Jean-Pierre Raskin	ES [q1+q2] [15h +45h] [5 Credits]
⌘ LSST1002M	Information and critical thinking - MOOC	Myriam De Kesel	ES [q2] [30h +15h] [3 Credits]

- For any secondary school diploma **from a European Union country**, the admission request must contain the equivalence of your diploma or, at the very least, proof of the filing of the equivalence request with the Wallonia-Brussels Federation (French Community of Belgium). For any information relating to obtaining an equivalence, please refer to [the following site](#).
- For any secondary school diploma **from a country outside the European Union**, the admission application must contain the [equivalence of your diploma](#) issued by the Wallonia-Brussels Federation (French Community of Belgium). If you have a restrictive equivalence for the programme of your choice, in addition of it, you **must** have either the [DAES](#) or a certificate of successful completion of the [examination giving access to 1st cycle studies](#) when you submit your application

Access based on validation of professional experience

Admission to undergraduate studies on the basis of accreditation of knowledge and skills obtained through professional or personal experience (Accreditation of Prior Experience)

Subject to the general requirements laid down by the authorities of the higher education institution, with the aim of admission to the undergraduate programme, the examination boards accredit the knowledge and skills that students have obtained through their professional or personal experience.

This experience must correspond to at least five years of documented activity, with years spent in higher education being partially taken into account: 60 credits are deemed equivalent to one year of experience, with a maximum of two years being counted. At the end of an assessment procedure organized by the authorities of the higher education institution, the Examination Board will decide whether a student has sufficient skills and knowledge to successfully pursue undergraduate studies.

After this assessment, the Examination Board will determine the additional courses and possible exemptions constituting the supplementary requirements for the student's admission.

- Secretary of the School of veterinary medicine: [Catherine De Roy](#)

