

## VETE1BA - Introduction

### Introduction

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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 de dissection.
- 5) Approcher et procéder aux manipulations de base des espèces d'animaux de compagnie et d'animaux de production.
- Maîtriser sans crainte l'abord et le contact physique avec l'animal domestique.
  - Prodiquer les soins élémentaires (propreté et alimentation) et appliquer les normes d'hygiène adaptées à chaque espèce.
  - Formuler des conseils généraux sur l'entretien et la gestion de ces espèces.
  - Etre préparé à aborder efficacement en master la contention de l'animal malade et les soins à lui apporter.
- 6) Communiquer efficacement et convaincre
- 6.1 Communiquer en français, oralement ou par écrit :
- Exprimer poliment et précisément à différents types de personnes son opinion sur des sujets relevant de la vie courante, de la santé et de la gestion animales.
  - Adapter son discours au niveau de connaissance de son interlocuteur, y compris à propos de sujets complexes relevant de son domaine de compétence.
- 6.2 Communiquer en anglais :
- Exploiter par lui-même des documents d'ordre général relatifs aux sciences de base et plus complexes et spécialisés en relation avec les matières disciplinaires (niveau C1 de l'échelle européenne CECRL).
  - Comprendre l'essentiel de la langue anglaise écrite et orale dans un contexte essentiellement professionnel (niveau C1 CECRL).
  - S'exprimer oralement et interagir de manière simple sur les sujets généraux ou relevant de ses enseignements disciplinaires (niveau B2 CECRL).
  - Ecrire de façon simple et cohérente sur des sujets d'ordre général ou relevant de ses enseignements disciplinaires (niveau B2 CECRL).
- 7) Faire preuve d'un sens développé de la responsabilité envers la société, du devoir et de conscience professionnelle.
- Agir en accord avec les règlements, la déontologie et l'éthique.
  - Faire constamment preuve du désir d'apprendre.
  - Devenir progressivement, dès son entrée à l'Université, le principal acteur de sa propre formation en développant les acquis d'apprentissage précités de façon de plus en plus autonome.

## Programme structure

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This three year programme consists of an ensemble of courses related to the basic sciences (Biology, Chemistry, Mathematics, Physics), to Philosophy, Sciences common to the different branches of "living organisms" (Biochemistry, Genetics, Biostatistics, Microbiology, Immunology, General Histology, etc.) and the more specific veterinary sciences (Anatomy, Embryology, Physiology, Histology and Ethology of domestic animals and Ethnography and Vegetal Biology related to breeding, etc.).

The proportion of specific veterinary courses increases progressively from the first to the third year of the bachelor's programme.

It is important to note that the vast majority of the theoretical sessions are complemented by practical exercises (TP) or by task-based periods. These "TP" take place in very well-equipped, modern teaching laboratories, in the presence of the lecturers or their assistants.

In the context of the language training focus, each year of the bachelor's programme integrates a block of periods in English, with the last session, in the 3rd year, including a presentation in English on a biological topic.

### Principal Subjects

#### Biology

- A) Cellular Biology and introduction to prokaryotes, protists and mycetes; B) Vegetal Biology; C) Animal Biology (11 credits)
- Vegetal Biology applied to breeding (2 credits)
- Complements in Animal Biology - Nervous System (2 credits)

#### Physics

- General Physics and elements of Mathematics (22 credits)
- Biophysics (6 credits)

#### Chemistry and Biochemistry

- General Chemistry (9 credits)
- Organic Chemistry (10 credits)
- Biochemistry (4 credits)
- Metabolic Biochemistry (3 credits)

#### Anatomy and Embryology of Domestic Animals (33 credits)

## 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

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- Mandatory
  - ✘ Optional
  - △ Not offered in 2023-2024
  - ⊙ Not offered in 2023-2024 but offered the following year
  - ⊕ Offered in 2023-2024 but not the following year
  - △ ⊕ Not offered in 2023-2024 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, ...)
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o Physique et mathématiques (14 credits)

o LMAT1101

				Year		
				1	2	3
○ LVETE1243	Epidemiology	Jean-Paul Dehoux	PK [q2] [20h+4h] [2 Credits] 		x	

Year

1 2 3

o Stage (2 credits)

o LVETE1244	Initiation à la ruralité et stage d'immersion en milieu animalier	Isabelle Donnay	FR [q1 or q2] [50h] [2 Credits]			X
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o Culture et esprit scientifique (3 credits)

o LVETE1101	Introduction to public health and economy	Jean-Paul Dehoux François-Xavier Philippe	FR [q2] [30h] [3 Credits]		X	
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o Biosécurité (2 credits)





## Course prerequisites

The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering for that CU.

These activities are also identified in the **detailed programme**: their title is followed by a yellow square.

### Prerequisites and student's annual programme

As the prerequisite is for CU registration purposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.
- transform a prerequisite into a corequisite if the student is in the final year of a degree course.

For more information, please consult the [Academic Regulations and Procedures](https://uclouvain.be/fr/decouvrir/rgee.html) (https://uclouvain.be/fr/decouvrir/rgee.html).

### # Prerequisites list

- LANG1863** "Anglais interactif pour étudiants en sciences (niveau intermédiaire+)" has prerequisite(s) LANG1861
- LANG1861 - [English: reading and listening comprehension of scientific texts](#)
- LBIO1338** "Travaux pratiques intégrés de physiologie, histologie et biochimie animales" has prerequisite(s) LBIO1234
- LBIO1234 - [Animal histology](#)
- LBRAL2102F** "Physiological and nutritional biochemistry : parts 1, 2 and 3" has prerequisite(s) LCHM1271V
- LCHM1271V - [Elements of biochemistry](#)
- LCHM1371V** "Metabolic biochemistry - cours et travail bibliographique" has prerequisite(s) LBIO1111 ET LCHM1141A
- LBIO1111 - [Cell and molecular biology](#)
  - LCHM1141A - [Organic chemistry](#)
- LVETE1300** "Integrated St 60ars" has prerequisite(s) LANG1861
- LANG1861 - [English: reading and listening comprehension of scientific texts](#)
- LVETE1373B** "Physiologie des animaux domestiques : physiologie cardio-vasculaire, rénale et respiratoire" has prerequisite(s) LVETE1296
- LVETE1296 - [Physiologie générale](#)
- LVETE1390** "Histologie spéciale et des animaux domestiques" has prerequisite(s) LBIO1234
- LBIO1234 - [Animal histology](#)

## The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

## Detailed programme per annual block

### VETE1BA - 1ST ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2023-2024
- ⊙ Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 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:

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### o Biologie

o LBIO1111	Cell and molecular biology	Patrick Dumont Charles Hachez	ES [q1] [30h +20h] [5 Credits] 
o LBIO1112	Organism biology : plants and animals	André Lejeune Jean-François Rees	ES [q2] [30h +20h] [5 Credits] 
o LVETE1111	Plant biology applied to breeding	Muriel Quinet	ES [q2] [22.5h +15h] [3 Credits] 

### o Physique et mathématiques

o LMAT1101	Mathematics 1	Pedro Dos Santos Santana Forte Vaz	ES [q1] [30h +20h] [4 Credits] 
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o Culture et esprit scientifique

o LVETE1101	Introduction to public health and economy	Jean-Paul Dehoux François-Xavier Philippe	
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## VETE1BA - 2ND ANNUAL UNIT

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- Mandatory
  - ✘ Optional
  - △ Not offered in 2023-2024
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o Ethologie

o LVETE1230

Domestics Animals Ethology

## VETE1BA - 3RD ANNUAL UNIT

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- Mandatory
- ⊗ Optional
- △ Not offered in 2023-2024
- ⊖ Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 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, ...)

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

### o Content:

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#### o Biologie

● LVETE1312



## VETE1BA - Information

### Access Requirements

*Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.*

*The admission requirements must be met prior to enrolment in the University.*

***In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.***

#### SUMMARY

- [General access requirements](#)
- [Specific access requirements](#)
- [Access based on validation of professional experience](#)
- [Special requirements to access some programmes](#)

### General access requirements

Except as otherwise provided by other specific legal provisions, admission to undergraduate courses leading to the award of a Bachelor's degree will be granted to students with one of the following qualifications :

1. A Certificate of Upper Secondary Education issued during or after the 1993-1994 academic year by an establishment offering full-time secondary education or an adult education centre in the French Community of Belgium and, as the case may be, approved if it was issued by an educational institution before 1 January 2008 or affixed with the seal of the French Community if it was issued after this date, or an equivalent certificate awarded by the Examination Board of the French Community during or after 1994;
2. A Certificate of Upper Secondary Education issued no later than the end of the 1992-1993 academic year, along with official documentation attesting to the student's ability to pursue higher education for students applying for a full-length undergraduate degree programme;
3. A diploma awarded by a higher education institution within the French Community that confers an academic degree issued under the above-mentioned Decree, or a diploma awarded by a university or institution dispensing full-time higher education in accordance with earlier legislation;



- 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

## Teaching method

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Des séances sont organisées au cours de la première année autour des questions de méthode de travail, par exemple la gestion du temps ou la manière d'aborder les différentes matières.

Outre des rapports à remettre ou des contrôles de connaissances au début de certaines séances de laboratoires, des interrogations obligatoires intervenant dans la note finale de chaque matière sont organisées après un mois de cours au premier quadrimestre.

Les exercices et laboratoires sont organisés en petits groupes et sont encadrés par des assistants. Les monitorats permettent à ceux qui le souhaitent de faire le point sur les matières vues au cours : les enseignants de chaque discipline répondent aux questions des étudiants et expliquent les points moins bien compris.

La plupart des enseignements disposent également d'un site internet ou est déposée une série d'informations utiles pour l'étude.

## Evaluation

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***The evaluation methods comply with the regulations concerning studies and exams (<https://uclouvain.be/fr/decouvrir/rgee.html>). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".***

Différentes modalités sont mises en oeuvre pour l'évaluation des connaissances et des compétences acquises au cours de la formation; elles sont adaptées aux types de prestations : évaluation continue notamment pour les exercices pratiques, évaluation des travaux personnels et de groupe, évaluation globale (écrite et/ou orale) durant les sessions d'examens.

## Mobility and/or Internationalisation outlook

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International mobility is recommended rather within the framework of master programmes.

Moreover, participation in a short mobility can be envisaged at the end of the bachelor's degree in the framework of the Athens network <https://www.paristech.fr/fr/international/europe/athens>

## Possible trainings at the end of the programme

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Positioning of the programme within the University cursus

Successful completion of this programme entitles direct access to the master's in Veterinary Medicine, organised by the University of Liege.

Other studies accessible upon completion of the programme

## Contacts

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### Curriculum Management

Entity

Structure entity

Denomination

Faculty

Sector

Acronym

Postal address

SST/SC/VETE

(VETE)

Faculty of Science (SC)

Sciences and Technology (SST)

VETE

Croix du sud 4-5 - bte L7.07.10

1348 Louvain-la-Neuve

Website

<https://uclouvain.be/fr/facultes/sc/vete>

Academic supervisor: Isabelle Donna46399689 6e Tm6l6he evaluation me00091[.64400005 Tm [(Scil18 Tf 1 0 0 -1 31862.73297119 Tm [136.04009115

- Secretary of the School of veterinary medicine: Catherine De Roy (<https://uclouvain.be/repertoires/catherine.deroy>)

