

At Louvain-la-Neuve - 180 credits - 3 years - Day schedule - In French

Dissertation/Graduation Project : **NO** - Internship : **YES**

Activities in English: **YES** - Activities in other languages : **NO**

Activities on other sites : **NO**

Main study domain : **Sciences vétérinaires**

Organized by: **Faculty of Science (SC)**

Programme acronym: **VETE1BA** - Francophone Certification Framework: 6

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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

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)

				Year		
				1	2	3
○ LBIO1112	Organism biology : plants and animals	Matthew Dallemagne (compensates Jean-François Rees) Maryse Hermant (compensates Jean-François Rees) Muriel Quinet	PS [q2] [30h+20h] [5 Credits]	x		
○ LVETE1111	Plant biology applied to breeding	Muriel Quinet	PS [q2] [22.5h+15h] [3 Credits]	x		
○ LVETE1312	Ecologie appliquée aux animaux domestiques	Jean-François Cabaraux	PS [q2] [30h+12h] [4 Credits]			x

○ Physique et mathématiques (14 credits)

○ LMAT1101	Mathematics 1	Pedro Dos Santos Santana Forte Vaz	PS [q1] [30h+20h] [4 Credits]	x		
○ LPHY1101	Physics 1	Michel Crucifix Thierry Fichet	PS [q1] [30h+40h] [6 Credits]	x		
○ LPHY1103	Additional physics	Gabriel Dias de Carvalho Junior Marco Drewes	PS [q2] [40h+10h] [4 Credits]	x		

○ Chimie et biochimie (19 credits)

○ LCHM1111B	General chemistry	Benjamin Elias Alexandru Vlad	PS [q1] [45h+45h] [8 Credits]	x		
○ LCHM1141A	Organic chemistry					

Year



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](#).

Prerequisites list

- LANG1863** "Anglais interactif pour étudiants en sciences (niveau intermédiaire+)" has prerequisite(s) LANG1861
- LANG1861 - [English: reading and listening comprehension of scientific texts](#)
- LBAL2102F** "Physiological and nutritional biochemistry : parts 1, 2 and 3" has prerequisite(s) LCHM1371V
- LCHM1371V - [Metabolic biochemistry - courses and bibliographic work](#)
- LVETE1295** "Compléments de biologie cellulaire animale" has prerequisite(s) LBIO1111
- LBIO1111 - [Cell and molecular biology](#)
- LVETE1300** "Integrated Seminars" has prerequisite(s) LANG1861
- LANG1861 - [English: reading and listening comprehension of scientific texts](#)
- LVETE1374** "Physiologie digestive et nutrition des animaux domestiques" has prerequisite(s) LCHM1371V
- LCHM1371V - [Metabolic biochemistry - courses and bibliographic work](#)
- LVETE1376** "Physiologie des animaux domestiques : physiologie cardio-vasculaire, rénale et respiratoire" has prerequisite(s) LVETE1296
- LVETE1296 - [Neuromuscular physiology of domestic animals](#)
- 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 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.

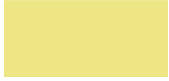
Detailed programme per annual block

VETE1BA - 1ST ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 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 Culture et esprit scientifique



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] ⊗
○ LCHM1371V	Metabolic biochemistry - courses and bibliographic work	Melissa Page	[EN] [q2] [30h +15h] [4 Credits] ⊗

o Anatomie et Embryologie

○ LVETE1241A	Domestic animals anatomy II (1st part)	Olivier Jacqmot	
○ LVETE1241B	Domestic animals anatomy II (2d part)		

o Ethologie

o LVETE1230	Domestics Animals Ethology	Marc Vandenheede	
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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
- 🌐 Not open to incoming exchange students

[FR]

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 Rezsöhazi Patrice Soumillion	ES [q2] [0h +25h] [2 Credits]
○ LVETE1381	Integrated exercises	Frédéric Clotman (compensates Jean- François Rees) Cathy Debier Jean-Paul Dehoux Isabelle Donnay (coord.) Françoise Gofflot René Rezsöhazi	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	Anne Bauwens (compensates Jean- François Rees) Myriam De Kesel	ES [q2] [30h +15h] [3 Credits]

