

Faculty of Sciences



VETE1BA Baccalauréat en médecine vétérinaire (Bachelor of Veterinary Medicine)



Study objectives

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.

General presentation of the programme

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)

Evaluation

Admission to the programme

The conditions and regular admission requirements are specified on the web page "Access to Studies":
<http://www.ucl.ac.be/etudes/libres/en/acces.html>

Special admission conditions

In addition to the general admission requirements, the attestation obtained on passing the entrance examination for veterinary medicine studies is compulsory.

Positioning of the programme

Positioning of the programme within the University cursus

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

Other studies accessible upon completion of the programme

Useful contacts

Programme Management

CDVT Commission du diplôme en sciences vétérinaires

Contact : Nathalie Micha

Study Advisor

1st year : A. Lejeune

2nd and 3rd year: A. Moens

Exam Juries

1st year

President : J.-Ph. Soumillion

Secretary : A. Lejeune

2nd year

President : Still to be determined

Secretary : Still to be determined

3rd year

President : Still to be determined

Secretary : Still to be determined

Detailed content of standard programme

VETE 11BA First year of studies

Common pool of courses

<u>SC1120</u>	Philosophy[30h] (2 credits) (in French)	Bernard Feltz
<u>PHY1114</u>	General Physics and elements of Mathematics 1[67.5h+45h] (11 credits) (in French)	Thierry Delbar, Bernard Mahieu
<u>CHM1113</u>	General Chemistry[60h+60h] (9 credits) (in French)	Jean-Louis Habib Jiwan, Jacques Vandooren (coord.)
<u>PHY1115</u>	General Physics and elements of Mathematics 2[67.5h+45h] (11 credits) (in French)	Thierry Delbar, Bernard Mahieu
<u>CHM1142</u>	Organic Chemistry[60h+60h] (10 credits) (in French)	Jean-Philippe Soumillion
<u>BIO1111</u>	A) Cell biology and introduction to prokaryotes, protists and fungi; B) Plant biology; C) Animal biology[90h+45h] (11 credits) (in French)	Jean-Marie Kinet, André Lejeune, Jean-François Rees, Claude Remacle
<u>VET1111</u>	Plant biology applied to breeding[15h+15h] (2 credits) (in French)	Frédéric Janssens
<u>ANG1861</u>	Reading and listening comprehension of scientific texts[6h]	Ahmed Adriouèche, Isabelle Druant,

<u>SC1181A</u>	(2 credits) (in French) Outils informatiques et recherche documentaire[15h+15h] (2 credits) (in French)	Annick Sonck Marie-Anne Van Hove
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VETE 12BA Second year of studies

<u>BIO1231E</u>	Compléments de biologie animale[22.5h] (2 credits) (in French)	Philippe van den Bosch Sanchez de Aguilar
<u>BIO1261</u>	Biophysics[45h+30h] (6 credits) (in French)	Alain Cornet, Pierre Defrance, Patrick Gilon, Jean-François Rees (coord.)
<u>CHM1271A</u>	Eléments de biochimie[30h+20h] (4 credits) (in French)	Robert Crichton
<u>CHM1371A</u>	Biochimie métabolique[30h+15h] (4 credits) (in French)	N.
<u>VETE1241</u>	Anatomy of Domestic Animals 1[105h+90h] (16 credits) (in French)	André Moens
<u>VETE1250</u>	Embryology of Domestic Animals[30h+15h] (5 credits) (in French)	André Moens, René Rezsöházy
<u>BIO1331</u>	Animal Biochemistry, physiology and histology[60h+22.5h] (6 credits) (in French)	Bernard Knoops (coord.), Jean-François Rees, Yves-Jacques Schneider
<u>VETE1262</u>	Biostatistics[45h+45h] (7 credits) (in French)	Philippe Lambert
<u>BIO1335</u>	Immunology[25h+15h] (3 credits) (in French)	N.
<u>VETE1230</u>	Domestic Animals Ethology[30h+15h] (6 credits) (in French)	René Zayan
<u>ANG1862</u>	Reading and listening comprehension of scientific texts[30h] (2 credits) (in French)	Ahmed Adriouèche

VETE 13BA Third year of studies

<u>VETE1342</u>	Anatomy of Domestic Animals[60h+70h] (12 credits) (in French)	André Moens
<u>VETE1373</u>	Physiology of Domestic Animals[135h+30h] (13 credits) (in French)	Cathy Debier, Isabelle Donnay
<u>VETE1390</u>	Histologie spéciale et des animaux domestiques[60h+40h] (8 credits) (in French)	Philippe van den Bosch Sanchez de Aguilar
<u>VETE1395</u>	Animal Cellular Biology[22.5h] (2 credits) (in French)	Bernard Knoops, Yves-Jacques Schneider
<u>BRAI2102A</u>	Compléments de physiologie et biochimie animales[7.5h] (1 credits) (in French)	Yvan Larondelle
<u>BIR1322</u>	General genetics[45h+15h] (5 credits) (in French)	Philippe Baret, Pierre Bertin
<u>VETE1380</u>	Ethnographie[60h] (6 credits) (in French)	Christophe Boccart, Marc Vandenhede
<u>BIO1311</u>	Microbiology and virology[40h+15h] (4 credits) (in French)	N.
<u>VETE1300</u>	Integrated Seminars[25h] (2 credits) (in English)	Jean Delcour, Philippe Denis, André Moens, René Rezsöházy (coord.), Yves-Jacques Schneider, Colleen Starrs, Renate Wesselingh
<u>VETE1381</u>	Integrated practical work[0h+60h] (3 credits) (in French)	N.
<u>ANG1863</u>	Anglais - expression orale[30h] (2 credits) (in English)	Philippe Denis, Philippe Neyt (coord.), Colleen Starrs, Françoise Stas