UCLouvain

BOE2M

2025 - 2026

Master [120] in Biology of Organisms and Ecology

The version you're consulting is not definitive. This programme still may change. The final version will be published on 1th June.

At Louvain-la-Neuve - 120 credits - 2 years - Day schedule - In French
Dissertation/Graduation Project : **YES** - Internship : **YES**
Activities in English: **YES** - Activities in other languages : **NO**
Activities on other sites : **YES**
Main study domain : **Sciences**
Organized by: **Faculty of Science (SC)**
Programme acronym: **BOE2M** - Francophone Certification Framework: 7

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BOE2M - Introduction

Introduction

Introduction

UCLouvain and UNamur are mutually committed to setting up a joint master's degree including specialized training in various fields of organism biology and ecology, that reconciles terrestrial with aquatic environments, which were long studied separately.

Your profile

You

- have a bachelor's degree in life sciences and would like to specialize in the study of aquatic and terrestrial ecosystems;
- are passionate about experimental research;
- wish to engage in an environment-oriented profession and develop environmental management skills .

BOE2M - Teaching profile

Learning outcomes

The UCLouvain (Université catholique de Louvain at Louvain-la-Neuve) and UNamur (Université de Namur at Namur) organize a joint programme, at both sites, for the Master (120 credits) in Biology of Organisms and Ecology, described below.

The aim is to train scientists who can analyse, understand and react when faced with questions or problems relating to the environment and biodiversity, both in terrestrial and aquatic ecosystems, and to the functioning of organisms function in these ecosystems. This involves advanced training, field observation, experimental research both inside and outside the laboratory, and requires the modern methods used by biologists.

The **research focus** prepares students to become researchers or to have an environmentally oriented profession outside of academia. The key element of this focus is a 4-month internship, which can take place in any professional environment that works around the themes covered by the program.

Collaboration with the ecologists from UNamur means that there is wider range of subjects for courses and dissertations since the fields of research complement each other, with terrestrial ecology and marine biology at UCLouvain and aquatic ecology in Namur).

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

1. Démontrer une maîtrise des processus biologiques régissant le fonctionnement des organismes, des populations et des écosystèmes, ainsi que leur évolution.

1.1 appliquer et intégrer les connaissances et concepts spécifiques aux domaines de l'écologie et de l'évolution des organismes, notamment :

- la diversité et l'évolution biologique
- l'écologie des populations, communautés et écosystèmes
- l'autécologie, écophysiologie et écotoxicologie

1.2 démontrer une compréhension profonde et appliquer les connaissances de base en biologie et des domaines connexes essentiels pour l'écologie et l'évolution, notamment :

- la physiologie animale et végétale
- la génétique et l'épigénétique
- la génomique et la protéomique
- les méthodes statistiques

1.3 élargir son bagage de connaissances et d'aptitudes scientifiques et techniques de manière autonome et faire preuve d'une capacité d'autoapprentissage.

2. Répondre, de manière originale, à des questions inédites en biologie environnementale en recherchant et en utilisant des sources d'information appropriées.

2.1 résumer et synthétiser les conclusions et opinions exprimées dans la littérature et les comparer entre publications,

2.2 analyser la valeur scientifique des sources et de donner un avis critique et raisonné.

3. Mettre en œuvre, de manière autonome, une démarche scientifique expérimentale afin de répondre à des questions inédites fondamentales ou appliquées en biologie environnementale

3.1 formuler une question scientifique, émettre des hypothèses, programmer et réaliser les expérimentations appropriées, analyser et interpréter les résultats, afin d'objectiver et de conclure,

3.2 élaborer un protocole expérimental (échantillonnage de terrain, plan d'observations, expériences de laboratoire), le planifier et l'exécuter afin de répondre aux objectifs définis, en utilisant des techniques et outils appropriés,

3.3 synthétiser les données obtenues et les représenter sous forme de graphiques et tableaux,

3.4 analyser les données avec les outils statistiques appropriés,

3.5 tirer des conclusions et/ou de nouvelles hypothèses basées sur les résultats obtenus,

3.6 donner un avis critique sur les hypothèses et la démarche observationnelle/expérimentale en regard des résultats,

3.7 comparer ses propres résultats avec la littérature et les confronter aux différentes théories scientifiques du domaine concerné.

4. Communiquer des connaissances scientifiques de base ou spécialisées de manière approfondie en français et en anglais (niveau B2 du Cadre européen commun de référence pour les langues).

4.1 présenter la synthèse de ses propres résultats de recherche ou de ceux découlant d'une étude bibliographique dans un rapport écrit en français et en anglais,

4.2 distinguer ses idées propres aux idées et données d'autres scientifiques en référençant son travail conformément aux standards du monde scientifique, tout en évitant le plagiat,

4.3 présenter oralement des informations scientifiques en utilisant les outils appropriés (poster, outils informatiques) en français et en anglais,

4.4 présenter et rédiger clairement des informations scientifiques en adaptant le niveau et le contenu de ses communications au public cible.

5. Travailler de manière autonome en s'intégrant dans différents types d'environnement de travail

5.1 initier de manière pro-active des contacts avec des personnes ayant une expertise ou une responsabilité, pour établir une relation professionnelle,
5.2 définir son projet de travail en concertation avec son supérieur,
5.3 s'intégrer dans un environnement professionnel et y interagir de façon efficace et respectueuse avec des interlocuteurs variés.

6. Travailler en équipe dans une perspective collaborative

6.1 participer activement à une réunion d'équipe en partageant ses idées, ses expériences et ses connaissances,
6.2 écouter les autres et arriver à un consensus,
6.3 réaliser, en équipe, des recherches ou d'autres types de projets, en répartissant les tâches et les responsabilités,
6.4 préparer une présentation écrite ou orale en collaboration, en combinant les informations apportées par les membres de l'équipe.

7. Assumer des responsabilités vis-à-vis de l'écosystème Terre et de la société humaine

7.1 évaluer et signaler les enjeux actuels et futurs des actions de l'homme pour le bien-être du monde vivant et son environnement,
7.2 évaluer les enjeux éthiques et sociétaux des pratiques en biologie et gestion des écosystèmes,
7.3 contribuer activement à résoudre des problèmes sociétaux et environnementaux,
7.4 énoncer des critiques constructives et de participer activement aux débats scientifiques et sociétaux.

8. Appliquer les connaissances acquises au cours du Master dans un environnement nouveau, au sein d'un institut de recherche, une association, une administration, un bureau d'études, une industrie ou une entité de gestion d'espaces naturels.

Programme structure

The Master in Biology of Organisms and Ecology comprises core subjects of 55 credits, a focus of 30 credits and elective courses.

Wathever the focus or the options chosen, the programme of this master shall totalise 120 credits, spread over two years of studies each of 60 credits.

BOE2M Programme

Detailed programme by subject

CORE COURSES [55.0]

- Mandatory
- Optional
- Not offered in 2025-2026
- Not offered in 2025-2026 but offered the following year
- Offered in 2025-2026 but not the following year
- Not offered in 2025-2026 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...)

				Year 1	2
LBOE2111	Advanced and applied evolutionary biology [M]		EN [q1] [35h+30h] [3 Credits]	x	
LBOE2112	Data analysis and modeling of biological systems [M]		EN [q1] [30h+45h] [5 Credits]	x	
LBOE2113	Scientific and professional communication in English		FR [q2] [15h] [3 Credits]	x	
LBOE2191	Ecology and society [M]		EN [q2] [30h] [2 Credits]	x	
LGEO1342A	Systèmes d'information géographique (SIG) : partim		FR [q1] [24h+24h] [4 Credits]	x	x
LBOE2114	Integrated ecology field course [C]		FR [q1] [67.5h+90h] [4 Credits]	x	

				Year 1	Year 2
Mémoire					
LBOE2196	Experimental design [M]		FR [q1] [15h+22.5h] [2 Credits]	x	
LBOE2197	Scientific research initiation		FR [q2] [] [8 Credits]	x	
LBOE2297	Mémoire		FR [q1] [] [22 Credits]		x
Sciences humaines					
au moins 2 crédits obligatoires (et jusqu'à 4 crédits supplémentaires considérés comme cours au choix)					
Minimum 2 credit(s)					
LFILO2003E	Ethics in the Sciences and technics (sem)		EN [q2] [15h+15h] [2 Credits]	x	
LSC2001	Introduction to contemporary philosophy	Charles Pence Peter Verdée	FR [q2] [30h] [2 Credits]	x	
LSC2220	Philosophy of science	Alexandre Guay	EN [q2] [30h] [2 Credits]	x	
ESSPS2101	Science, ethics and development		FR [q1] [18h+6h] [3 Credits]	x	x
ESPS2203	Philosophy of life science (UNamur)		EN [q1] [12h] [3 Credits]	x	x
ESBM2113	Bioethics (UNamur)		EN [q1] [20h] [2 Credits]	x	x
LTHEO2840	Science and Christian faith	Benoît Bourgine	FR [q1] [15h] [2 Credits]	x	x

RESEARCH FOCUS [30.0]

- Mandatory
- Optional
- Not offered in 2025-2026
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- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Content:

				Year 1	Year 2
LBOE2240	Stage professionnel		FR [q2] [] [28 Credits]		x
LBOE2241	Projet professionnel		FR [q2] [] [2 Credits]		x

OPTIONS

> Modules *[en-prog-2025-boe2m-lboe900o]*
> Liste des activités au choix *[en-prog-2025-boe2m-lboe219o]*
> INEO, Interdisciplinary training in entrepreneurship *[en-prog-2025-boe2m-lboe955o]*
> Optional courses *[en-prog-2025-boe2m-lsc100o]*

MODULES [24.0]

- Mandatory
- Optional
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- Activity with requisites
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- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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Content:

Module 1 (Q1, S6 to S9) (8 credits)

Students choose one of these two modules.

Conservation and restoration ecology (8 credits)

				Year 1	Year 2
LBOE2120	Conservation de la biodiversité [M]	Nicolas Schtickzelle	FR [q1] [45h+15h] [4 Credits]	x	x
LBOE2141	Restoration ecology [M]		EN [q1] [15h+15h] [2 Credits]	x	x
ESBOE2237	Biological water quality assessment (UNamur)		FR [q1] [16h+12h] [2 Credits]	x	x

Modelling in ecology and evolution (8 credits)

				Year 1	Year 2
ESBOE2142	Ecosystem stability (UNamur)		EN [q1] [16h+12h] [2 Credits]	x	x
ESBOE2162	Biodiversity and ecosystem functioning (UNamur)		EN [q1] [16h+12h] [2 Credits]	x	x

				Year 1	2
LBOE2292	Individual-based modelling in ecology [M]	Renate Wesselingh	EN [q1] [15h+45h] [4 Credits]	x	x

Module 2 (Q1, S10 à S13) (8 credits)

Students choose one of these two modules.

Stress ecology and ecotoxicology (8 credits)

ESBOE2170	Advances in applied and basic ecotoxicology (UNamur)		EN [q1] [40h+24h] [5 Credits]	x	x
LBOE2168	Interactions between plants and environment [M]	Stanley Lutts Muriel Quinet	EN [q1] [30h+15h] [3 Credits]	x	x

Spatial and thermal ecology (8 credits)

LBOE2140	Landscape ecology [M]	Hans Van Dyck	EN [q1] [30h+30h] [4 Credits]	x	x
LBOE2150	Movement ecology [M]	Hans Van Dyck	EN [q1] [22.5h+7.5h] [2 Credits]	x	x
LBOE2151	Thermal ecology [C]		EN [q1] [22.5h] [2 Credits]	x	x

Module 3 (Q2, S1 to S4) (8 credits)

Students choose one of these two modules.

Behavioural ecology (8 credits)

LBOE2161	Behavioral ecology and sociobiology [M]	Hans Van Dyck	EN [q2] [30h+15h] [4 Credits]	x	x
ESBOE2113	Behavioural responses to a changing world (UNamur)		EN [q2] [30h+16h] [4 Credits]	x	x

Molecular ecology and biodiversity genomics (8 credits)

ESBOE2114	Molecular ecology and biodiversity genomics (UNamur)		EN [q2] [30h+22.5h] [4 Credits]	x	x
ESBOE2115	Environmental epigenetics (UNamur)		EN [q2] [15h+15h] [2 Credits]	x	x
ESBOE2116	Applied bioinformatics for molecular ecology (UNamur)		EN [q2] [30h] [2 Credits]	x	x

LISTE DES ACTIVITÉS AU CHOIX

- Mandatory
- Optional
- Not offered in 2025-2026
- Not offered in 2025-2026 but offered the following year
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Content:

				Year 1	Year 2
Cours avancés					
EBIOE2001	Marine Biodiversity: flora expertise (Roscoff)		FR [] [] [6 Credits]	x	x
EBIOE2002	Marine Biodiversity: wildlife expertise (Roscoff)		FR [] [] [6 Credits]	x	x
ESBIO2132	Bacterial Genetics and Evolution (UNamur)		EN [q1] [22h] [3 Credits]	x	x
ESBIO2201	Parasitology		EN [q1] [15h] [2 Credits]	x	x
ESBIO2205	Epidemiology		FR [q1] [15h] [2 Credits]	x	x
ESGOL2145	Pédologie		FR [q1] [12h+12h] [2 Credits]	x	x
ESGOL2146	Hydrogeology (UNamur)		FR [q1] [18h+12h] [3 Credits]	x	x
ESVET1301	Applied Ethology (UNamur)		FR [q1] [15h+4h] [3 Credits]	x	x
ESVET2209	Molecular virology		EN [q1] [15h] [2 Credits]	x	x
LBIR1328	Climatology and hydrology applied to agronomy and the environment		EN [q1] [45h+22.5h] [6 Credits] *> French-friendly*	x	x
LBIR1334	Introduction to forest science	Quentin Ponette (coord.) Caroline Vincke	FR [q2] [22.5h+15h] [3 Credits] *> English-friendly*	x	x
LBIR1336	Soil science and integrated excursions	Yannick Agnan (coord.) Richard Lambert Caroline Vincke	FR [q2] [30h+37.5h] [5 Credits] *> English-friendly*	x	x
LBIR1362	Environmental Economics	Frédéric Gaspart	FR [q2] [30h+7.5h] [3 Credits]	x	x
LBIRE2105	Assessment of water - soil - air quality	Yannick Agnan (coord.) Philippe Maetz Xavier Rollin	FR [q1] [30h+0h] [3 Credits]	x	x
LBOE2122	Marine biodiversity [M]	Cathy Debier Jean-François Rees	FR [q2] [30h] [2 Credits]	x	x
LBOE2143	Current issues in marine ecosystems [M]		FR [q2] [30h] [2 Credits]	x	x
LBOE2148	Microbial ecology [M]	Stephan Declerck	FR [q1] [30h] [2 Credits]	x	x
LENVI2011	Environmental assessment and management methods	Jean-Pierre Tack	FR [q2] [30h] [3 Credits]	x	x
LGEOL2401	Paléontologie des vertébrés [M]		FR [q2] [22.5h] [2 Credits]	x	x
ESGOL1210	Paleontology		EN [q1] [24h+40h] [5 Credits]	x	x
ESBOE2123	Freshwater Biodiversity (UNamur)		FR [q1] [12h+24h] [3 Credits]	x	x
ESBOE2144	Resource management in fisheries and aquaculture		FR [q1] [18h+12h] [3 Credits]	x	x
Télédétection et aménagement					
LGEO1343	Earth observation by satellite	Eric Lambin	FR [q1] [30h+30h] [5 Credits]	x	x
LGEO2140	Global environmental challenges in the Anthropocene	Kristof Van Oost Veerle Vanacker	EN [q2] [30h+30h] [5 Credits]	x	x
LBRAT2101	Suburban and rural space development	Pierre Defourny (coord.) Yves Hanin	FR [q1] [45h+15h] [5 Credits]	x	x
LBRTI2101A	Data Science in bioscience engineering		FR [q1] [22.5h+15h] [3 Credits] *> English-friendly*	x	x
LBIRE2102	Applied geomatics		FR [q1] [30h+22.5h] [4 Credits] *> English-friendly*	x	x

				Year 1	2
ESGOG1201	Introduction aux systèmes d'informations géographiques (UNamur)		FR [q1] [15h+20h] [4 Credits]	x	x
ESGOG1301	Modelling and analysis of geographic information (UNamur)		EN [q2] [20h+30h] [4 Credits]	x	x

Cours d'ouverture

LDROP2101	Management of Intellectual Property Rights		EN [q2] [30h] [5 Credits]	x	x
LDROP2061	Sustainable Development Law	Charles-Hubert Born	FR [q2] [30h] [5 Credits]	x	x
LDROP2063	Sectoral Environmental Law		FR [q2] [30h] [5 Credits]	x	x
WSBIM2290	Introduction to laboratory animal science	Jean-Paul Dehoux	FR [q1] [37h] [3 Credits]	x	x
ESFCM2101	Formation en expérimentation animale niveau technicien: techniques, méthodes alternatives, législation et éthique (UNamur)		FR [q2] [40h] [4 Credits]	x	x
ESFCM2201	Formation de maître d'expériences en manipulation animale (UNamur - SFCM M201)		FR [q1] [40h] [4 Credits]	x	x
ESBIO2119	Gestion des ressources humaines (UNamur)		FR [q2] [15h] [2 Credits]	x	x
ESGES2203	Gestion de l'entreprise - Partim Sciences (UNamur)		FR [q2] [12h] [2 Credits]	x	x

INEO, INTERDISCIPLINARY TRAINING IN ENTREPRENEURSHIP

- Mandatory
- Optional
- Not offered in 2025-2026
- Not offered in 2025-2026 but offered the following year
- Offered in 2025-2026 but not the following year
- Not offered in 2025-2026 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...)

This option lasts 2 years and is integrated into more than 30 Masters programs in 9 faculties/schools of the UCLouvain. The choice of this option implies the realization of an interfaculty dissertation (in team) on a business creation project. Access is limited to students selected on the basis of a portfolio. More info. via https://uclouvain.be/en/study/ineo

Admission to this CPME option is subject to selection, please submit your application in due time https://uclouvain.be/fr/etudier/ineo/admission.html

Courses in this option cannot be taken individually outside of the option.

From 20 to 25credit(s)

Content:

				Year 1	Year 2
LINEO2021	Financer son projet *Ce cours est obligatoire pour les étudiants qui n'ont pas de prérequis en gestion (les étudiants qui ont suivi la mineure en gestion, ou la mineure en esprit d'entreprendre sont dispensés de ce cours).*		[FR] [q2] [30h+15h] [5 Credits]	x	
LINEO2001	Théorie de l'entrepreneuriat	Frank Janssen	[FR] [q1] [30h+20h] [5 Credits]	x	
LINEO2002	Aspects juridiques, économiques et managériaux de la création d'entreprise	Yves De Cordt	[FR] [q1] [30h+15h] [5 Credits]	x	
LINEO2004	Séminaire d'approfondissement en entrepreneuriat	Frank Janssen	[FR] [q2] [30h+15h] [5 Credits]	x	
LINEO2003	Plan d'affaires et étapes-clefs de la création d'entreprise	Frank Janssen	[FR] [q2] [30h+15h] [5 Credits]		x

OPTIONAL COURSES

- Mandatory
- Optional
- Not offered in 2025-2026
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These credits are not counted within the 120 required credits.

Content:

				Year 1	Year 2
LSST1001	IngénieuxSud	Stéphanie Merle Jean-Pierre Raskin	[FR] [q1+q2] [15h+45h] [5 Credits]	x	x
LSST1002M	Information and critical thinking - MOOC		[FR] [q2] [30h+15h] [3 Credits]	x	x

Supplementary classes

To access this Master, students must have a good command of certain subjects. If this is not the case, in the first annual block of their Masters programme, students must take supplementary classes chosen by the faculty to satisfy course prerequisites.

In some cases, a complementary program (maximum 60 ECTS) consisting of courses from the bachelor in biology will be required, in coordination with the Academic Advisor, and based on the student's previous background and training.

- O Mandatory
- ⊠ Optional
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⊠ LANG1863	English for Students in Sciences (Upper-Intermediate level)	Ahmed Adrioueche (coord.) Catherine Avery (coord.) Amandine Dumont (coord.) Sandrine Jacob (coord.) Nevin Serbest Françoise Stas	EN [q1 or q2] [30h] [2 Credits]
⊠ LBIO1217	Ecology II		FR [q2] [30h+10h] [3 Credits]
⊠ LBIO1223A	Molecular biology		FR [q2] [50h] [4 Credits]
⊠ LBIO1230	Invertabrate biology		FR [q1] [10h+40h] [4 Credits]
⊠ LBIO1235T	General cell physiology - vegetal part		FR [q1] [] [1 Credits]
⊠ LBIO1236	Integrated animal biology : coordination, perception and locomotion		FR [q2] [40h+10h] [4 Credits]
⊠ LBIO1236T	Integrated animal biology : coordination, perception and locomotion - Theoric part		FR [q2] [] [3 Credits]
⊠ LBIO1240	Plant physiology		FR [q1] [40h+15h] [4 Credits]
⊠ LBIO1242	Angiosperm's development, reproduction and systematic	Stanley Lutts Muriel Quinet	FR [q2] [30h+15h] [3 Credits]
⊠ LBIO1281	Integrated work in biology [M]		FR [q2] [20h+35h] [3 Credits]
⊠ LBIO1282	Management and exploration of biological data [M]		FR [q1] [20h+15h] [3 Credits]
⊠ LBIO1283	Statistical principles and biological data analysis	Nicolas Schtickzelle	FR [q2] [30h+40h] [4 Credits]
⊠ LBIO1310	Biological evolution		FR [q2] [30h+10h] [3 Credits]
⊠ LBIO1317	Functional ecology		EN [q1] [30h] [2 Credits]
⊠ LBIO1330	Integrated animal biology : reproduction and development	Patrick Dumont René Rezsohazy	FR [q1] [30h+10h] [3 Credits]
⊠ LBIO1333	Integrated animal biology: circulation, respiration, digestion and excretion	Patrick Dumont Françoise Gofflot René Rezsohazy	FR [q2] [30h+10h] [3 Credits]
⊠ LBIO1344	Plant diversity and physiological principles of plant interactions	Stanley Lutts	FR [q1] [30h+15h] [3 Credits]
⊠ LBIO1355	Speciation : origin of biodiversity		FR [q1] [20h+10h] [2 Credits]
⊠ LBIO1357	Integrated practical work in ecology and biogeography: biogeography of Belgium	Renate Wesselingh	FR [q1+q2] [20h+30h] [4 Credits]
⊠ LCHM1271V	Elements of biochemistry		FR [q1] [20h] [2 Credits]
⊠ LGEO1332A	Biogeography - Lectures		FR [q2] [30h] [2 Credits]
⊠ LVETE1300	Integrated Seminars [M]	Melissa Page (coord.) Muriel Quinet René Rezsohazy Patrice Soumillion	EN [q2] [10h+15h] [2 Credits]

Course prerequisites

There are no prerequisites between course units (CUs) for this programme, i.e. the programme activity (course unit, CU) whose learning outcomes are to be certified and the corresponding credits awarded by the jury before registration in another CU.

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.

BOE2M - Information

Access Requirements

Master course admission requirements are defined by the French Community of Belgium Decree of 7 November 2013 defining the higher education landscape and the academic organisation of courses.

General and specific admission requirements for this programme must be satisfied at the time of enrolling at the university.

Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed in this table or on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.

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

SUMMARY

Specific access requirements

In addition to meeting the access conditions described below, candidates will have to provide proof of a sufficient command of the French language (level B1 of the CEFR, Common European Framework of Reference for Languages).

Students who wish to be admitted on the basis of a dossier (see tables below) are invited to consult the criteria for the evaluation of application.

University Bachelors

Diploma	Special Requirements	Access	Remarks
UCLouvain Bachelors			
Bachelor in Biology		Direct access	
Bachelor in Chemistry	Mineure en biologie	Access based on application	In some cases, the UCLouvain Enrolment Office, after reviewing their online enrolment or re-enrolment application, will ask the students concerned to provide an enrolment authorisation from the faculty/ school.
Bachelor in Bioengineering		Access with additional training	
		Access based on application	
		Access with additional training	
Others Bachelors of the French speaking Community of Belgium			
		Direct access	
Bachelier en sciences de l'ingénieur - orientation bioingénieur		Access based on application	
Bachelors of the Dutch speaking Community of Belgium			
		Access with additional training	
		Access with additional training	
Foreign Bachelors			
		Access based on application	

Non university Bachelors

> Find out more about links to the university

Diploma	Access	Remarks
BA - technologue de laboratoire médical - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation agro-industries et biotechnologies - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation agronomie des régions chaudes - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation environnement - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation forêt et nature - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation systèmes alimentaires durables et locaux - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation techniques et gestion agricoles - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation techniques et gestion horticoles - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation technologie animalière - crédits supplémentaires entre 45 et 60 BA en chimie, orientation biochimie - crédits supplémentaires entre 45 et 60 BA en chimie, orientation biotechnologie - crédits supplémentaires entre 45 et 60 BA en chimie, orientation chimie appliquée - crédits supplémentaires entre 45 et 60 BA en chimie, orientation environnement - crédits supplémentaires entre 45 et 60	Les enseignements supplémentaires éventuels peuvent être consultés dans le module complémentaire.	Type court

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
		Direct access	
Masters			
		Direct access	

Holders of a non-University 2nd cycle degree

Access based on validation of professional experience

> It is possible, under certain conditions, to use one's personal and professional experience to enter a university course without having the required qualifications. However, validation of prior experience does not automatically apply to all courses. Find out more about Validation of priori experience.

Access based on application

Access based on application : access may be granted either directly or on the condition of completing additional courses of a maximum of 60 ECTS credits, or refused.

The first step in the procedure is to submit a file online (see https://uclouvain.be/en/study/inscriptions/futurs-etudiants.html).

Students who wish to be admitted on the basis of a dossier are invited to consult the criteria for the evaluation of application.

Admission and Enrolment Procedures for general registration

Teaching method

Inter-university cooperation between UCL and FUNDP, where complementary research in ecology is carried out, means that the range of available courses is much wider than at each individual university. We have built a programme with joint training and 7 credist of option courses. These option courses are mainly focused on subjects which cut across the boundaries between the plant and animal and the terrestrial and aquatic worlds. The structure of the programme enables students to diversify and individualize their studies with 11 credits for optional activities. The dissertation begins in the second semester of the first year and is defended at the end of the first semester of the second year: this is convenient for doing field research during the spring and summer. The placement (25 credits) in the second semester of the second year introduces students to a professional environment. All students must return for the last five credits in advanced training; there is also a debriefing and an opportunity to exchange experiences with the other students.

Evaluation

The evaluation methods comply with the regulations concerning studies and exams. More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

Students will mainly be assessed on the basis of individual work (e.g. reading, consultation of databases and bibliographic references, writing monographs and reports, presentation of seminars, dissertation and work placement). Where necessary, students will also be assessed on how much they have learned from lectures. As far as possible, there will be continuous assessment, including regular 'open book examinations'. Certain activities will not be given a precise mark but will be officially certified. Assessment of the dissertation is in two stages : a 'progress report' at the end of the first year of the Master and the final presentation.

Mobility and/or Internationalisation outlook

Students can go abroad, under the Socrates or Mercator exchange schemes, during the second semester of the second year of the Master to do their placement and/or do a part of their dissertation during the dissertation period and possibly also take some optional activities.

Mobility in the first semester of the first year of the Master may also be possible, providing equivalents for the core subjects and some of the option courses can be found. In the same way, students from foreign universities can come to UCLouvain to take selected activities from our Master programme and/or do a part of their final dissertation.

Possible trainings at the end of the programme

The Master in Biology of Organisms and Ecology gives direct access to the doctorate in science.

Contacts

Curriculum Management

Entity

Structure entity	SST/SC/BIOL
Denomination	(BIOL)
Faculty	Faculty of Science (SC)
Sector	Sciences and Technology (SST)
Acronym	BIOL
Postal address	Croix du sud 4-5 - bte L7.07.05 1348 Louvain-la-Neuve Tel: +32 (0) 10 47 34 89 - Fax: +32 (0) 10 47 35 15
Website	https://uclouvain.be/fr/facultes/sc/biol

Academic supervisor: Hans Van Dyck

Jury

- President and study advisor: Renate Wesselingh
- Secretary: frederik.delaender@unamur.be

Useful Contact(s)

• Administrative manager for the student's annual program: Aloysia Stephenne