



BOE2M

2024 - 2025

BOE2M - Introduction

Introduction

Introduction

UCLouvain and UNamur are mutually committed to setting up a joint master's degree including specialized training in various fields

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- 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,

				Year	
				1	2
○ LBOE2111	Evolution	Alice Dennis Laurent Duchatelet	EN [q1] [24h] [2 Credits]	x	x
○ LBOE2112	Data analysis and modeling of biological systems	Frederik De Laender Nicolas Schtickzelle	EN [q1] [24h+36h] [5 Credits]	x	x
○ LBOE2113	Scientific and professional communication in English	Sandrine Meirlaen Melissa Page Anne-Julie Toubeau	FR [q2] [15h] [3 Credits]	x	
○ LBOE2191	Ecologie et société	Thierry Hance	FR [q1] [24h] [3 Credits]	x	x
○ LGEO1342A	Systèmes d'information géographique (SIG) : partim	Sophie Vanwambeke	FR [q1] [24h+24h] [4 Credits]	x	x

LIST OF FOCUSES

- > **Research Focus** [en-prog-2024-boe2m-lboe200a]
> **Teaching Focus** [en-prog-2024-boe2m-lboe200d]

RESEARCH FOCUS [30.0]

- 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, ...)
-

OPTIONS

- > [Modules](#) [en-prog-2024-boe2m-lboe900o]
- > [Liste des activités au choix](#) [en-prog-2024-boe2m-lboe219o]
- > [INEO, Interdisciplinary training in entrepreneurship](#) [en-prog-2024-boe2m-lboe955o]
- > [Optional courses](#) [en-prog-2024-boe2m-lsc100o]

MODULES [24.0]

- 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...)

Year

1 2

o Content:

⊗ Ecotoxicology

○ ESBOE2162	Ecotoxicology of populations, communities and ecosystems		EN [q1] [12h+12h] [2 Credits] 🌐	X	X
○ ESBOE2170	Advances in applied and basic ecotoxicology (UNamur)		EN [q1] [48h+32h] [6 Credits] 🌐	X	X

⊗ Molecular ecology

○ LBOE2124	Molecular ecology	Renate Wesselingh	EN [q2] [36h+56h] [8 Credits] ⊙ 🌐	X	X
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⊗ Functional genomics

○ LBOE2165	Evolutionary genomics and transcriptomics	Alice Dennis Melissa Page	EN [q2] [30h+18h] [4 Credits] ⊕ 🌐	X	X
○ ESBOE2169	Ecological proteomics and epigenetics		EN [q2] [30h+18h] [4 Credits] ⊕ 🌐	X	X

⊗ Biologie de la conservation et de la restauration

○ LBOE2120	Conservation de la biodiversité	Nicolas Schtickzelle	EN [q1] [36h+12h] [4 Credits] 🌐	X	X
○ LBOE2125	Biodiversity and humans	Charles-Hubert Born Thierry Hance	FR [q1] [24h] [2 Credits] 🌐	X	X
○ LBOE2141	Ecologie de la restauration	Aurélien Kaiser	EN [q1] [12h+12h] [2 Credits] 🌐	X	X




⊗ Landscape and movement ecology

○ LBOE2140


Year

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⌘ Ecologie et gestion des milieux aquatiques

○ ESBOE2123	Freshwater Biodiversity (UNamur)		PO [q1] [12h+24h] [3 Credits] 	X	X
○ ESBOE2142	Ecology of natural and disturbed aquatic environments (UNamur)		PO [q1] [12h+20h] [2 Credits] 	X	X
○ ESBOE2144	Resource management in fisheries and aquaculture		PO [q1] [18h+12h] [3 Credits] 	X	X

⌘ Ecologie et évolution appliquées

○ LBOE2166	Lutte biologique	Claude Bragard Thierry Hance	PO [q2] [12h+24h] [3 Credits] 	X	X
○ LBOE2185	Evolutionary applications	Hans Van Dyck	DN		

LISTE DES ACTIVITÉS AU CHOIX

- Mandatory
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- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
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Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

🌐 No

				Year	
				1	2
⌘ LBRAT2101	Suburban and rural space development	Pierre Defourny (coord.) Yves Hanin Marie Pairon	FR [q1] [45h+15h] [5 Credits] 🌐	X	X
⌘ LBRTI2101A	Data Science in bioscience engineering	Patrick Bogaert Emmanuel Hanert	FR [q1] [22.5h+15h] [3 Credits] 🌐 > English-friendly	X	X
⌘ LBIRE2102	Applied geomatics	Pierre Defourny	FR [q1] [30h+22.5h] [4 Credits] 🌐 > English-friendly	X	X
⌘ ESGOG1201	Introduction aux systèmes d'informations géographiques (UNamur)		FR [q1] [15h+20h] [4 Credits] 🌐	X	X
⌘ ESGOG1301	Modelling and analysis of geographic information (UNamur)		FR [q2] [20h+30h] [4 Credits] 🌐	X	X

⌘ Cours d'ouverture

⌘ LDROP2101	Management of Intellectual Property Rights	François Wéry	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	Valérie Dupont Damien Jans	FR [q2] [30h] [5 Credits] 🌐	X	X
⌘					

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 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

- > [General access requirements](#)
- > [Specific access requirements](#)
- > [University Bachelors](#)
- > [Non university Bachelors](#)
- > [Holders of a 2nd cycle University degree](#)
- > [Holders of a non-University 2nd cycle degree](#)
- > [Access based on validation of professional experience](#)
- > [Access based on application](#)
- > [Admission and Enrolment Procedures for general registration](#)

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 wishing to access the didactic purpose must provide proof of a mastery of the French language at level C1 of the CEFR.

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			

[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	Les enseignements supplémentaires éventuels peuvent être consultés dans le module complémentaire .	Type court
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 animale - 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		

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

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 https://uclouvain.be/fr/facultes/sc/biol
Website	
Academic supervisor:	Hans Van Dyck
Jury	
	<ul style="list-style-type: none">• President and study advisor: Renate Wesselingh• Secretary: frederik.delaender@unamur.be
Useful Contact(s)	
	<ul style="list-style-type: none">• Administrative manager for the student's annual program: Aloysia Stephenne

