

At Louvain-la-Neuve - 120 credits - 2 years - Day schedule - In French

Dissertation/Graduation Project : **YES** - Internship : **YES**

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

Activities on other sites : **NO**

Main study domain : **Sciences**

Organized by: **Faculty of bioscience engineering (AGRO)**

Programme acronym: **ENVI2M** - Francophone Certification Framework: 7

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Learning outcomes

The Masters in Environmental Sciences and Management is offered as a priority to students who have completed a Masters level course of study at one of the faculties in the science and technology sector, human sciences sector or health sciences sector, or at a college of further education. The admission requirements are those of an advanced Masters.

o Activités communes obligatoires

Pour 53 crédits minimum :

o LENVI2199	Work placement	Dimitri Lederer	ES [q1 or q2] [15h] [30 Credits]		X
o LENVI2099	Projet personnel de fin d'études		ES [q1+q2] [] [15 Credits]		X
o LESPO2103	Environment and Global Economy	Bert Willems	ES [q2] [30h] [5 Credits]		X

o Une activité au choix parmi les intitulés suivants :

⊗ LBRTE2201	Human and environmental toxicology	Cathy Debier	ES [q1] [30h+7.5h] [5 Credits] > French-friendly		X
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o Mandatory subjects

Rem 1: L'étudiant(e) doit choisir un cours dans chacune des disciplines suivantes, s'il(elle) n'a pas réussi dans sa formation universitaire antérieure un cours qui aura été jugé équivalent, sachant que le total des crédits de son programme devra atteindre 120 crédits pour l'ensemble du master. Ce choix devra être soumis à l'approbation du coordinateur du programme. Rem 2: L'étudiant(e) veillera à s'assurer qu'il/elle dispose des bases nécessaires pour suivre les activités choisies.

⊗ Biology: one course to be chosen

Certaines des activités proposées pourront être suivies en partie.

⊗ LBIO1114	Introduction to biology	Patrick Dumont	ES [q2] [30h+7.5h] [3 Credits]	X	X
⊗ LPSP1005	General biology, including elements of human genetics	François Chaumont Patrick Dumont Charles Hachez	ES [q1] [30h] [4 Credits]	X	X

⊗ Chemistry: one course to be chosen

Certaines des activités proposées pourront être suivies en partie.

⊗ LBIR1140	Chimie générale 1	Pierre Delmelle (coord.) Charles-André Fustin Michel Ghislain (coord.)	ES [q1] [30h+30h] [6 Credits]	X	X
⊗ LFSM1101	General chemistry and biomolecules	Patrick Henriët	ES [q1] [37.5h] [5 Credits]	X	X
⊗ LINGE1115	Chemistry (Part 1)	Yaroslav Filinchuk	ES [q1] [50h+10h] [5 Credits]	X	X
⊗ LINGE1223	Chemistry	Jean-François Gohy	ES [q2] [20h+10h] [3 Credits]	X	X
⊗ LMAPR2231	Metallurgical and electrochemical processes	Joris Proost	ES [q2] [30h+22.5h] [5 Credits] > French-friendly	X	X

⊗ Ecology: one course to be chosen

Le cours LBIO1351 est recommandé.

⊗ LBIO1217	Ecology II	Thierry Hance	ES [q2] [30h+10h] [3 Credits]	X	X
⊗ LBIR1354	Biologie des interactions	Anne-Laure Jacquemart (coord.) Anne Legrève	ES [q2] [22.5h+15h] [3 Credits]	X	X

⊗ Economie: une activité au choix parmi les intitulés suivants:

⊗ LBIR1260	Principles of economics	Goedele Van den Broeck	ES [q1] [30h+15h] [3 Credits] > French-friendly	X	X
⊗ LECGE1115	Political Economics	Rigas Oikonomou Gonzague Vannoorenberghe	ES [q1] [45h+15h] [5 Credits]	X	

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⌘ **Sociology: one course to be chosen**

Le cours LPSP1007 est recommandé.

⌘ LPOLS1121	Sociologie du comportement politique	Nicolas Bocquet (compensates Benoît Rihoux)	EX [q2] [22.5h] [4 Credits] 🌐	X	X
⌘ LPSP1007	Sociology: education, health and work	Marc Zune	EX [q1] [30h] [3 Credits] 🌐	X	X
⌘ LDROI1221	Introduction to Sociology	Nicolas Bocquet (compensates Benoît Rihoux) John Cultiiaux (compensates Laura Merla)	EX [q1] [45h] [3 Credits] 🌐	X	X

⌘ **Geography: one course to be chosen**

L'étudiant peut éventuellement choisir d'autres activités de Géographie en fonction des prérequis dont il dispose.

⌘ LGEO1221	Elements of human geography	Sophie Vanwambeke	EX [q1] [30h+30h] [5 Credits] 🌐	X	X
⌘ LGEO2110	Mondialisation, développement et environnement	Eric Lambin	EX [q1] [30h+30h] [5 Credits] 🌐	X	

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⌘ Anthropologie

⌘ LDVLP2320	Anthropology of development and environment	Aurore Vermylen (compensates Emmanuelle Piccoli)	EN [q1] [30h] [5 Credits] 	X
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OPTIONS

Une option et/ou un ensemble de cours au choix (Options)

L'étudiant dispose d'une grande liberté pour compléter le coeur de sa formation (voir TC et FS) par le choix des cours qui l'intéressent dans un ensemble de cours facultatifs du tronc commun et de cours proposés au sein de différentes options. Il est possible de panacher un programme de cours parmi ces options. Il est cependant nécessaire de prendre au moins 15 crédits d'activités dans une seule et même option pour que celle-ci figure dans le supplément au diplôme. Dans le cas contraire, aucune référence à une option ne sera mentionnée dans le supplément au diplôme, qui indiquera simplement la liste des cours au choix qui ont été suivis.

- > [Option 1 : Industry and Environment](#) [en-prog-2024-envi2m-lenvi201o]
- > [Option 2 : Agriculture and Environment](#) [en-prog-2024-envi2m-lenvi202o]
- > [Option 3: Land Development and Environnement](#) [en-prog-2024-envi2m-lenvi203o]
- > [Option 4: Public Administration and Environment](#) [en-prog-2024-envi2m-lenvi204o]
- > [Optional Courses](#) [en-prog-2024-envi2m-lenvi206o]

OPTION 1 : INDUSTRY AND ENVIRONMENT

- 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...)

From 15 to 30credit(s)

Year





OPTION 3: LAND DEVELOPMENT AND ENVIRONNEMENT

- 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...)

From 15 to 30credit(s)

Year
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o **Content:**

⊗ **Activités en sociologie du développement territorial**

⊗ LBRAT2103	Sociology of the actors and the rural territories	Yves Hanin	(FR) [q1] [30h] [3 Credits] 🌐	X	X
⊗ LSPED2010	Space, settlement and resources		(FR) [q2] [30h] [5 Credits] △ 🌐	X	X

⊗ **Activités en développement territorial**

⊗ LBRAT2101	Suburban and rural space development	Pierre Defourny (coord.) Yves Hanin Marie Pairon	(FR) [q1] [45h+15h] [6 Credits] 🌐	X	X

OPTION 4: PUBLIC ADMINISTRATION AND ENVIRONMENT

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OPTIONAL COURSES

- 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...)

From 15 to 30credit(s)

Year

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o Content:

⊗ Activité d'enrichissement personnel

Les étudiants peuvent effectuer un stage supplémentaire. Ce stage fait partie intégrante du programme et ne fera l'objet ni de crédits ni d'évaluation. Cette activité est couverte par l'assurance de l'université.

⊗ LBIR2001

Masters Internship

[FR] 🌐 🚫🌐

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.

- Mandatory
- ⊗ Optional
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- ⊙ 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 Supplementary classes

Maximum 60 credit(s)

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.

ENVI2M - 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

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- > [Access based on validation of professional experience](#)
- > [Access based on application](#)
- > [Admission and Enrolment Procedures for general registration](#)

Specific access requirements

L'étudiant doit avoir obtenu au moins 70% des points ou une mention équivalente lors de l'obtention du diplôme qui lui permet d'accéder au master. En outre, son dossier de candidature sera soumis à l'approbation de la commission de gestion du programme.

University Bachelors

Diploma	Special Requirements	Access	Remarks
UCLouvain Bachelors			
Titre inconnu:lchim1ba		Access based on application	
Others Bachelors of the French speaking Community of Belgium			
#prog:intitulé:Lmath1ba#		Access based on application	
Bachelors of the Dutch speaking Community of Belgium			
		Access based on application	
Foreign Bachelors			
		Access based on application	

Non university Bachelors

> Find out more about [links](#) to the university

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
		Direct access	
Masters			
		Direct access	En principe, les masters de tous les domaines.

Vu le caractère interdisciplinaire de ce master qui par ailleurs, est très largement accessible aux détenteurs d'un grade de master de tous les domaines, une partie du programme consiste en une liste de cours de base proposés au choix. En fonction du grade de master dont il est porteur et des éventuelles dispenses qui pourront lui être octroyées, l'étudiant inscrira à son programme 0 à 21 crédits de cours repris dans cette liste. Ces cours feront bien sûr partie intégrante de son programme.

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.

Admission and Enrolment Procedures for general registration

L'étudiant doit avoir obtenu au moins 70% des points ou une mention équivalente lors de l'obtention du diplôme qui lui permet d'accéder au master. En outre, son dossier de candidature sera soumis à l'approbation de la commission de gestion du programme.

Teaching method

The programme for the Master in Science and Environmental Management includes a group of courses which are designed to provide students with basic knowledge of the different disciplines involved in the management of environmental problems and sustainable development. A significant proportion of the courses are organized by different partner faculties. In this way, courses are given by specialists from each discipline.

The training programme particularly focuses on encouraging students to use their knowledge and skills, through different kinds of individual and group work and also through a large-scale exercise (ENVI 2101, 9 credits) in which students gather evidence about the many different aspects of a real environmental problem they are faced with: they have to become negotiators of technical, socio-economic and institutional solutions between all the involved parties.

Finally, the professional work placement provides a break from academic training, allowing students to put their knowledge and skills into practice to find solutions to real environmental issues.

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".

Examinations for each activity. The precise form is outlined, where necessary, in the relevant course specification.

Mobility and/or Internationalisation outlook

There is an active exchange agreement with the University of Sherbrooke (Quebec, Canada).

The programme has traditionally welcomed international students.

Possible trainings at the end of the programme

Although it is open to certain bachelors, the Master in Environmental Science and Management should ideally follow a first Master in human sciences, exact sciences or applied sciences. Its strongly interdisciplinary nature will provide second cycle students who wish to have a professional career in environment with useful additional knowledge in the areas of science and integrated management of environmental issues.

Doctoral programmes : this Master does not specifically lead to a doctorate.

Contacts

Toute information complémentaire à propos de ce master est à adresser au coordinateur du programme, Prof. P. Gerin, Croix du Sud 2, L7.05.19, 1348 Louvain-la-Neuve,

Academic supervisor: [Patrick Gerin](#)

Jury

- Président de jury: [Charles Bielders](#)

Useful Contact(s)

- Conseiller aux études: [Patrick Gerin](#)

