

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

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

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

 Activities on other sites : **NO**

 Main study domain : **Sciences**

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

 Programme acronym: **ENVI2MC** - Francophone Certification Framework: 7

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ENVI2MC - Introduction

Introduction

ENVI2MC - Teaching profile

Learning outcomes

A general presentation of the interdisciplinary specialized master in science and management of the environment and sustainable development is available on the portal of the [Faculty of Bioscience engineering](#).

The specialized master in science and management of the environment and sustainable development offers both recent graduate and experienced professionals the opportunity to learn the basics of environmental science, and the management of environmental issues, which are complex in nature and involve many disciplines. The master is organized to be accessible to graduates (master level) of all faculties, including the sector of science and technology, the sector of human sciences or the health sciences sector, as well as higher schools.

At the end of the training, the graduate in science and management of the environment will be able to contribute to the management of environmental issues: to investigate the problem and analyze it in its entirety, to summarize the positions of the various stakeholders, including experts, communicate them in an understandable way to all parties, synthesize and propose solutions, and argue them to reach a consensus between all stakeholders.

The student's program includes an upgrade based on his or her basic training. This upgrade aims at acquiring basic knowledge in the various disciplines involved in environmental issues: science and technology (chemistry, biology, ecology, computer science, statistics, geography ...) and human sciences (sociology, law, economics, philosophy ...).

Part of the program aims to address environmental issues through different disciplines (economics, law, politics, toxicology, science and technology). Finally, part of the program also aims to develop its ability to approach environmental issues between disciplines, integrating their respective contributions (interdisciplinary approach), and to seek and negotiate consensus solutions with different stakeholders.

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

1. To analyse the scientific, technical and non-technical dimensions of an environmental problem.
 - 1.1 To identify the stakeholders concerned by the environmental issue: the general public, scientific experts, non-governmental organisations, public authorities, companies, etc.
 - 1.2 To gather and synthesize information, in French and English, on the various dimensions of the environmental issue: scientific, technical/technological, human, etc.
 - 1.3 To use basic theoretical concepts in science and technology in an appropriate manner: chemistry, biology, ecology, toxicology, IT, statistics, geography, etc. related to the environmental issue.
 - 1.4 To use basic theoretical concepts in human sciences in an appropriate manner: sociology, philosophy, law, economics, etc. related to the environmental issue.
 - 1.5 To communicate with different stakeholders and with independent experts, to identify the elements underlying their respective viewpoints and to incorporate them into the analysis.
 - 1.6 To establish links between the basic concepts in science and technology and the human sciences to understand and explain the environmental issue as a whole.
 - 1.7 To work with colleagues to interpret all the aspects and facets of the environmental issue.
2. To construct and develop one or more solutions to tackle the environmental issue, taking into account the technological and non-technological aspects.
 - 2.1 To synthesize various types of documents related to an environmental issue (scientific and technical / technological and humanities)
 - 2.2 To summarise the views of stakeholders involved in the environmental issue.
 - 2.3 To develop innovative proposals of solutions to the environmental issue with the support of stakeholders, by combining the data and scientific, technical / technological and non-technical approaches available.
 - 2.4 To select in a substantiated way (self-assessment) the proposals for solutions that best fulfil the different dimensions of the environmental issue (scientific, technical / technological and non-technical).
 - 2.5 To project herself/himself in the position of the different stakeholders and, in relation with each of them, to decipher their views and positions with regard to the environmental issue and anticipate their reactions to new data and proposals.
 - 2.6 To evaluate solutions against all criteria (feasibility, consistency, stakeholders, etc.) and dimensions (scientific, technical / technological and humanities).
3. To communicate the proposed environmental solutions to the stakeholders.
 - 3.1 To present the analysis of the environmental problem and the proposed solutions orally and in writing, in a substantiated manner using modern communication techniques.
 - 3.2 To adapt the language and specific vocabulary taking into consideration the cultural differences of the conversational partners: colleagues, general public, scientific experts, non-governmental organisations, public authorities, business representatives, etc.
4. To negotiate a consensual environmental solution between stakeholders, based on the various solutions proposed.
 - 4.1 To interpret the views of stakeholders on the environmental issue.
 - 4.2 To arbitrate the views of stakeholders on the environmental solutions.
 - 4.3 To convince stakeholders through argumentation on a common solution to the environmental issue.
 - 4.4 To make choices, alone or within a team, taking into account all the dimensions and all the stakeholders, targeting to reach a consensual solution.

Programme structure

Learning Outcomes

The Specialization Master in science and management of the environment and sustainable development trains graduates able to dialogue (to understand and to be understood) with experts from different disciplines involved in the management of environmental issues and sustainable development (economics, environmental sciences, ethical, societal and technical aspects in a systemic approach), and with all stakeholders. The master prepares them to make decisions and to take action to solve problems in the fields of environment and sustainable development. This training therefore entails a solid teaching sweeping covering all aspects related to natural sciences related to the environment, as well as economics, social, demographic, legal and political aspects, all related to the environment.

The program of the interdisciplinary Specialized Master in science and management of the environment and sustainable development is structured as follows:

1. The core of the curriculum :

- mandatory common specific activities, disciplinary and interdisciplinary
- interdisciplinary integrative activities
- an internship in a professional environment
- a personal report on the internship

2. Disciplinary reinforcement activities. These activities allow students from different backgrounds to learn the basics in disciplines that have not been the subject of their initial training. Students must have completed training in these various disciplines; they can be exempted in the framework of the ENVI2MC Master if they have succeeded (> 12/20) equivalent courses at the university level.

3. A program of courses chosen within a pre-established field or selected among courses offered in several fields

Each individual program must be approved by the program coordinator.

ENVI2MC Programme

Detailed programme by subject

CORE COURSES

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊙ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

1 2

⊗ Activités de mise à niveau des compétences

Activités qui doivent avoir été obligatoirement suivies (durant les études antérieures ou durant le master) pour obtenir le diplôme de master en science et gestion de l'environnement et du développement durable. Des dispenses sont possibles en fonction du diplôme antérieur, des cours équivalents déjà suivis et des grades obtenus. Pour chaque activité, un cours doit être choisi parmi la liste proposée.

⊗ Biologie : un cours au choix

				Year	
				1	2
✘ LBIO1114	Introduction to biology	Patrick Dumont Caroline Nieberding	FB [q2] [30h+7.5h] [3 Credits]	x	x
✘ LPSP1005	General biology, including elements of human genetics	André Moens	FB [q1] [30h] [4 Credits]	x	x

✘ Chimie : un cours au choix

✘ LIEPR1001	General chemistry and biomolecules	Patrick Henriët	FB [q1] [30h+15h] [5 Credits]	x	x
✘ LBIR1140	Chimie générale 1	Pierre Delmelle (coord.) Charles-André Fustin Michel Ghislain (coord.)	FB [q1] [30h+30h] [6 Credits]	x	x
✘ LINGE1115	Chemistry (Part 1)	Yaroslav Filinchuk	FB [q1] [50h+10h] [5 Credits]	x	x
✘ LINGE1223	Chemistry	Jean-François Gohy	FB [q2] [20h+10h] [3 Credits]	x	x

✘ Ecologie : un cours au choix

Le cours LBIO1117 est recommandé.

✘ LBIO1117	Ecology I	Renate Wesselingh	FB [q2] [30h+10h] [4 Credits]	x	x
✘ LBIO1217	Ecology II	Thierry Hance Caroline Nieberding Hans Van Dyck Renate Wesselingh (coord.)	FB [q2] [30h+10h] [3 Credits]	x	x
✘ LBIR1354	Biologie des interactions	Anne-Laure Jacquemart (coord.) Anne Legrève	FB [q2] [22.5h+15h] [3 Credits]	x	x

✘ Economie : un cours au choix

✘ LBIR1260	Principles of economics	Goedele Van den Broeck	EN [q1] [30h+15h] [4 Credits]	x	x
✘ LECGE1115	Political Economics	Rigas Oikonomou Gonzague Vannoorenberghe	FB [q1] [45h+15h] [5 Credits]	x	x
✘ LPSP1009	Economy: education, health and work	Barbara Cresti Barbara Cresti (compensates) François Maniquet	FB [q2] [30h] [3 Credits]	x	x

✘ Philosophie : un cours au choix

Le cours LSC1120A est recommandé. L'étudiant-e peut éventuellement choisir d'autres cours de Philosophie offerts dans la mineure en philosophie, en étant attentif aux prérequis et aux compétences dont il-elle dispose sur base de sa formation antérieure.

✘ LCOPS1124	Philosophy	Nathalie Frogneux Charlotte Luyckx (compensates) Sylvain Camilleri	FB [q2] [30h] [5 Credits]	x	x
✘ LSC1120A	Philosophy	Alexandre Guay	FB [q1] [30h] [2 Credits]	x	x
✘ LSC2220	Philosophy of science	Pieter Thyssen (compensates) Alexandre Guay	FB [q2] [30h] [2 Credits]	x	x

✘ Sociologie : un cours au choix

Le cours LPSP1007 est recommandé.

✘ LPOLS1121	Sociologie du comportement politique	Benoît Rihoux	FB [q2] [22.5h] [4 Credits]	x	x
✘ LPSP1007	Sociology: education, health and work	Marc Zune	FB [q1] [30h] [3 Credits]	x	x
✘ LDROI1221	Introduction to Sociology	Eric Mangez Benoît Rihoux	FB [q1] [45h] [3 Credits]	x	x

✘ Géographie : un cours au choix

L'étudiant-e peut éventuellement choisir d'autres cours de Géographie, en étant attentif aux prérequis et aux compétences dont il-elle dispose sur base de sa formation antérieure.

✘ LGEO1221	Elements of human geography	Marie-Laurence De Keersmaecker	FB [q1] [30h+30h] [5 Credits]	x	x
✘ LGEO2110	Mondialisation, développement et environnement	Eric Lambin	FB [q1] [30h+30h] [5 Credits]	x	x

✘ Informatique appliquée : un cours au choix

				Year	
				1	2
⊗ LBIR1271	Projet intégré en informatique et mathématiques appliquées	Patrick Bogaert Emmanuel Hanert (coord.) Marnik Vanclooster	FB [q2] [30h+30h] [5 Credits]	x	x
⊗ LECGE1215	Information Technology in Economics and Management	Manuel Kolp Marco Saerens	FB [q1] [30h+20h] [4 Credits]	x	x

⊗ Statistiques et analyse des données : un cours au choix

⊗ LBIR1212	Probabilities and statistics (I)	Patrick Bogaert	FB [q1] [30h+15h] [4 Credits]	x	x
⊗ LECGE1114	Statistics in Economics and Management I	Marie-Paule Kestemont	FB [q2] [30h+30h] [5 Credits]	x	x
⊗ LEPL1108	Discrete mathematics and probability	Jean-Charles Delvenne Olivier Pereira	FB [q1] [30h+30h] [5 Credits]	x	x
⊗ LMAT1271	Calculation of probability and statistical analysis	Rainer von Sachs	FB [q2] [30h+30h] [6 Credits]	x	x
⊗ LMAT1375	Biometry		FB [q2] [25h+25h] [4 Credits] Δ	x	x

⊗ Anglais : un cours au choix

Les étudiants-es qui n'ont pas de dispense de cours d'anglais DOIVENT contacter le Professeur d'anglais AU DEBUT DU 1ER QUADRIMESTRE pour déterminer le cours le plus adapté à leur situation. A priori, le choix se fera dans l'ordre de la liste proposée ci-dessous soit une priorité pour le cours LANGL1882.

⊗ LANGL1882	English : reading and listening comprehension of texts in Bioengineering	Amandine Dumont Ariane Halleux Sandrine Meirlaen (coord.) Charlotte Peters Anne-Julie Toubeau (coord.)	EN [q2] [30h] [2 Credits]	x	
⊗ LANGL1881	English : reading and listening comprehension of texts in Bioengineering	Adrien Kefer (compensates) Laura Lievens Sandrine Meirlaen (coord.) Hila Peer Anne-Julie Toubeau (coord.)	EN [q1] [30h] [2 Credits]	x	
⊗ LANG1861	English: reading and listening comprehension of scientific texts	Fanny Desterbecq (coord.) Amandine Dumont (coord.) Marc Piwnik	EN [q2] [10h] [2 Credits]	x	
⊗ LANG1862	English: reading and listening comprehension of scientific texts	Ahmed Adriouèche (coord.) Catherine Avery Amandine Dumont Ariane Halleux (coord.) Adrien Kefer (compensates) Laura Lievens	EN [q1] [30h] [2 Credits]	x	

o Tronc commun (88 credits)

o Pollution et environnement (11 credits)

o LB RTE2201	Human and environmental toxicology	Cathy Debier (coord.) Philippe Hantson	EN [q1] [30h+7.5h] [4 Credits]	x	
o LENVI2012	Environment Pollution	Yannick Agnan Patrick Gerin (coord.) Nathalie Kruyts	FB [q2] [45h+30h] [7 Credits]	x	

o Economie et environnement (5 credits)

o LBIR1362	Environmental Economics	Frédéric Gaspart	FB [q2] [30h+7.5h] [5 Credits]	x	
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o Droit et environnement (10 credits)

o LDROP2061	Sustainable Development Law	Charles-Hubert Born	FB [q2] [30h] [5 Credits]	x	
o LDROP2063	Sectoral Environmental Law	Valérie Dupont Damien Jans	FB [q2] [30h] [5 Credits]	x	

o Gestion de l'environnement (5 credits)

				Year	
				1	2
○ LENVI2010	Public strategies for sustainable development	Marie-Paule Kestemont (coord.) Benoît Rihoux Valérie Swaen Jean-Pascal van Ypersele de Strihou	EB [q1] [15h] [2 Credits]	x	
○ LENVI2011	Méthodes d'évaluation et de gestion environnementale	Jean-Pierre Tack	EB [q2] [30h] [3 Credits]	x	
○ Communication et négociation (4 credits)					
○ LENVI2004	Atelier en communication environnementale et en gestion des conflits par la négociation	Jean-Pascal van Ypersele de Strihou	EB [q1] [20h] [4 Credits]	x	
○ Activités interdisciplinaires intégratives (53 credits)					
○ LENVI2002	Seminars in environmental science and management	Denis Dochain Marie-Paule Kestemont Caroline Nieberding Valérie Swaen Jean-Pascal van Ypersele de Strihou (coord.)	EB [q1] [15h] [2 Credits]	x	
○ LENVI2101	Sociétés, populations, environnement, développement: problématiques et approches interdisciplinaires	Denis Dochain Nathalie Frogneux Julie Hermesse Pierre-Joseph Laurent Caroline Nieberding Jean-Pierre Raskin Jean-Pascal van Ypersele de Strihou (coord.)	EB [q1] [45h] [6 Credits]	x	
○ LENVI2099	Projet personnel de fin d'études		EB [] [] [15 Credits]		x
○ LENVI2199	Stage professionnel	Caroline Nieberding Jean-Pascal van Ypersele de Strihou (coord.)	EB [] [15h] [30 Credits]		x

⊗ Cours aux choix

Les crédits des cours au choix viendront compléter le total des crédits des cours obligatoires pour atteindre au moins 120 crédits. Les étudiant-es peuvent choisir librement les cours proposés ci-dessous (attention aux horaires!). Les étudiant-e-s sont responsables de s'assurer qu'ils-elles disposent bien des bases nécessaires pour suivre les cours qu'ils-elles choisissent.

⊗ Activités en approches sociétales de la transition

⊗ LBIR2050	Enjeux du développement durable et de la transition	Philippe Baret (coord.) Nathalie Delzenne Valérie Swaen	EB [q2] [30h+30h] [5 Credits]	x	x
⊗ LBRAI2210	Microeconomics of Development	Frédéric Gaspard	EN [q1] [30h] [3 Credits]	x	x
⊗ LBRAT2103	Sociology of the actors and the rural territories	Yves Hanin	EB [q1] [30h] [3 Credits]	x	x
⊗ LENVI2006	Sociologie de l'environnement	Françoise Bartiaux	EB [q2] [15h+15h] [3 Credits]	x	x

⊗ Activités en analyse des situations environnementales

⊗ LBIR1351	Introduction to systems analysis	Philippe Baret	EB [q1] [10h+20h] [3 Credits]	x	x
⊗ LBIRE2105	Water - soil - air quality's Evaluation	Henri Halen Philippe Maetz Xavier Rollin (coord.)	EB [q1] [30h+0h] [3 Credits]	x	x
⊗ LMECA2645	Major technological hazards in industrial activity.	Denis Dochain	EB [q2] [30h] [3 Credits]	x	x

⊗ Activités en technologies de l'énergie, des traitements et du recyclage

⊗ LENVI2007	Renewable energy sources	Emmanuel De Jaeger Patrick Gerin (coord.) Hervé Jeanmart	EN [q1] [45h+15h] [5 Credits]	x	x
⊗ LGCIV2073	Hydrogeology and Geoenvironment	Pierre-Yves Bolly	EN [q1] [30h] [3 Credits]	x	x
⊗ LMAPR2001	Project "chemical & materials engineering for a sustainable future"	Juray De Wilde Pascal Jacques Alain Jonas Patricia Luis Alconero	EN [q2] [45h+60h] [10 Credits]	x	x

				Year	
				1	2
✘ LMAPR2001A	Project "chemical & materials engineering for a sustainable future"	Juray De Wilde Pascal Jacques Alain Jonas Patricia Luis Alconero	EN [q2] [22.5h+30h] [5 Credits]	x	x
✘ LMAPR2647	Sustainable treatment of industrial and domestic waste: Fundamentals	Olivier Françoisse Patricia Luis Alconero Olivier Noiset Benoît Stenuit	EN [q1] [30h+15h] [5 Credits]	x	x

✘ Activités en climat : état, pression et réponses

✘ LBIR1328	Climatology and hydrology applied to agronomy and the environment	Alice Alonso (compensates) Marnik Vanclooster Charles Bielders (coord.) Hugues Goosse	EN [q1] [45h+22.5h] [6 Credits]	x	x
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✘ Un cours au choix parmi les deux suivants :

Le cours LPHYS2162 peut également être suivi en partie pour 3 crédits.

✘ LENVI2005	Changements climatiques: impacts et solutions	Yannick Agnan (compensates) Pierre Delmelle Philippe Marbaix Jean-Pascal van Ypersele de Strihou (coord.)	FR [q2] [30h] [3 Credits]	x	x
✘ LPHYS2162	Introduction to the physics of the climate system and its modelling	Hugues Goosse Jean-Pascal van Ypersele de Strihou	EN [q1] [22.5h+22.5h] [5 Credits]	x	x

✘ Activités en écologie et agriculture

✘ LBIRA2109	Agrarian systems and farm	Pierre Bertin	FR [q1] [30h+0h] [3 Credits]	x	x
✘ LBOE2120	Conservation de la biodiversité	Nicolas Schtickzelle	FR [q1] [36h+12h] [4 Credits]	x	x
✘ LBOE2166	Lutte biologique	Claude Bragard Thierry Hance	FR [q2] [12h+24h] [3 Credits]	x	x
✘ LBOE2292	Modélisation écologique et évolutive	Renate Wesselingh	FR [q1] [12h+36h] [4 Credits]	x	x
✘ LINMA2510	Mathematical ecology	Eric Deleersnijder Emmanuel Hanert Thierry Van Effelterre	EN [q2] [30h+22.5h] [5 Credits] ⊕	x	x

✘ Activités en gestion du développement territorial

✘ LBRAT2101	Suburban and rural space development	Pierre Defourny (coord.) Yves Hanin Marie Pairon	FR [q1] [45h+15h] [5 Credits]	x	x
✘ LBIRE2102	Applied Geomatic	Pierre Defourny	FR [q1] [30h+22.5h] [4 Credits]	x	x
✘ LGEO1343	Earth observation by satellite	Eric Lambin	FR [q1] [30h+30h] [5 Credits]	x	x
✘ LGEO2210	Shaping sustainable urban spaces	Marie-Laurence De Keersmaecker Yves Hanin	FR [q1] [30h] [3 Credits]	x	x
✘ LGEO2211	Advanced statistical methods in geography	Christian Hafner	FR [q1] [30h+30h] [5 Credits]	x	x
✘ LURBA2915	Planification stratégique (cours - atelier)	Marie-Laurence De Keersmaecker Pierre Defourny Yves Hanin Michaël Van Cutsem	FR [q1] [60h+45h] [8 Credits]	x	x

✘ Un cours au choix parmi les deux suivants :

✘ LGEO2120	Applied geomorphology	Bas van Wesemael	EN [q1] [30h+30h] [5 Credits]	x	x
✘ LGEO2185	Advanced geo-processing	Kristof Van Oost	EN [q2] [30h+30h] [5 Credits]	x	x

✘ Activités en stratégies publiques

✘ LSPED2010	Space, settlement and resources	Thierry Eggerickx Etienne Verhaegen	FR [q2] [30h] [5 Credits]	x	x
✘ LSPRI2225	Environmental Politics and Policies	David Aubin	EN [q2] [30h] [5 Credits] ⊙	x	x
✘ LURBA3011A	Acteurs, territoires et contextes de développement - partim		FR [q1] [30h] [3 Credits]	x	x

Year

1 2

⌘ **Activités en santé publique et environnement**

⌘ LGEO2230	Géographie médicale et de la santé	Sophie Vanwambeke	EN [q1] [30h+30h] [5 Credits]	X	X
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⌘ **Un cours au choix parmi les deux suivants :**

⌘ LDEMO2610	Populations and health	Bruno Masquelier	EN [q1] [30h] [5 Credits]	X	X
⌘ WFSP2238P	Advanced epidemiology (UCL)		EN [q2] [20h+16h] [4 Credits]	X	X

⌘ **Activités d'intégration professionnelle et de diversification**

Les étudiants qui voudraient suivre d'autres cours universitaires en lien avec l'environnement et le développement durable peuvent en faire la proposition au coordinateur.

○ LBIR2004	Masters Internship	Charles Bielders Damien Debecker (coord.) Xavier Draye Anne-Laure Jacquemart	EN [q2] [20h] [10 Credits]	X	X
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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.

ENVI2MC - Information

Access Requirements

*In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.
Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.
The admission requirements must be met prior to enrolment in the University.*

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](#)

General access requirements

Subject to the general requirements laid down by the academic authorities, admission to the specialized Master's degree programme will be granted to students who fulfil the entry requirements for studies leading to the award of a Master's (second-cycle) degree and who hold a second-cycle diploma, degree, certificate or other qualification issued within or outside the French Community of Belgium, or whose prior learning or experience has been accredited by the Examination Board as being equivalent to at least 300 credits.

Specific access requirements

Before initiating any application for admission to this specific program, you are invited to read carefully the general information on the master and the "Frequently Asked Questions" (FAQ) listed on the website of this program. It is strongly recommended to consult this source of information to prepare your application.

Applicants with a degree delivered outside the French Community of Belgium are required to demonstrate sufficient knowledge of the French language (B1 level of the Common European Framework of Reference).

Students who have completed postgraduate training outside the French Community of Belgium and have obtained at least 70% on average in their home university have the opportunity to apply for admission in the program. This admission criterion is strictly applied. However, it may be waived with significant professional experience and duly attested quality. For more information, please contact the Academic Advisor.

The master is spread over two years and there is no possibility to follow only the 2nd year of master.

If you have not found answers to your questions, you can contact us at the following address: info-agro@uclouvain.be

Specific conditions

In addition to the general access conditions described above, the student must have distinguished himself during his master studies.

He / she will have to submit to the program coordinator an application file including

- his/her curriculum vitae,
- his/her transcripts of results,
- the title, the abstract (maximum 1 page) and the date of defense of his/her master thesis and
- a letter explaining his/her motivation (arguments that lead him/her to apply for the ENVI2MC Master).

Teaching method

The programme for the Master in Science and Management of the Environment and Sustainable Development 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 of sustainable development. A significant proportion of the courses are organized by different partner faculties. In this way, courses are given by specialists of each discipline.

The training programme focuses particularly on training students to use their knowledge and skills, through different kinds of individual and group works and also through a wide roleplay project (LENVI 2101, 6 credits), during which students have to investigate and deal with the many different aspects of a real environmental problem; they have then to negotiate the technical, socio-economic and institutional solutions between all the involved parties (stake-holders).

The professional internship and its report are a final achievement of the training, allowing students to put their knowledge and skills into practice to solve 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, when 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 traditionally welcomes international students.

Possible trainings at the end of the programme

Although it is open to certain bachelors, the Master in Science and Management of the Environment and Sustainable Development follows any first Master (120) in human sciences, applied sciences and technologies or health sciences. Its strong 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.

This Master does not specifically lead to enter PhD studies without a more specifically research oriented master.

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, coordenvi@climate.be.

Curriculum Management

Faculty

Structure entity

Denomination

Sector

Acronym

Postal address

SST/AGRO

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Commission(s) of programme

- Commission de programme - Master Bioingénieur-Sciences agronomiques ([BIRA](#))

- Commission de programme - Master Bioingénieur-Chimie et bioindustries ([BIRC](#))
- Commission de programme - Master Bioingénieur-Sciences & technologies de l'environnement ([BIRE](#))
- Commission de programme - Bachelier en sciences de l'ingénieur, orientation bioingénieur ([CBIR](#))
- Commission de programme interfacultaire en Sciences et gestion de l'environnement ([ENVI](#))
- Fermes universitaires de Louvain ([FERM](#))

Academic supervisor: [Patrick Gerin](#)

Jury

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

Useful Contact(s)

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