 *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 : **optional**

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

Activities on other sites : **NO**

Main study domain : **Sciences agronomiques et ingénierie biologique**

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

Programme acronym: **SAIV2M** - Francophone Certification Framework: 7

Table of contents

| | |
|--|----|
| Introduction | 2 |
| Teaching profile | 4 |
| Learning outcomes | 4 |
| Programme | 4 |
| Detailed programme by subject | 4 |
| Course prerequisites | 10 |
| The programme's courses and learning outcomes | 10 |
| Information | 11 |
| Access Requirements | 11 |
| Evaluation | 14 |
| Mobility and/or Internationalisation outlook | 14 |
| Possible trainings at the end of the programme | 14 |
| Contacts | 14 |

SAIV2M - Introduction

Introduction

Introduction

Master [120] in Agriculture and Bio-industries develops

- the ability to analyze and diagnose agronomic problems
- ability to understand multi-scale and multi-disciplinary processes
- the ability to manage integrated projects in dialogue with other specialists.

It trains graduates who are able to critically mobilize a body of knowledge and know-how in agronomic and economic sciences to formulate, analyze and solve a multidisciplinary problem in these fields.

At the end of this Master's degree, you will be able to design relevant and innovative technological and scientific solutions for the development of products, process systems or services in this field of specialization.

Your profile

This **Master's programme** is for you if you are interested in:

- the relevance, diversity and career opportunities contained in this Master's programme,
- the international feature of the programme, attracting students with diverse backgrounds from all over the world and preparing professionals for a future global job market,
- the opportunity to study in two different partner universities in two European countries and, for the program AFEPA, acquire a double or joint Master's degree.

Your future job

Graduates from this Master's programme are well qualified to take responsibilities in international, national and regional agencies, non-governmental organisations, consultancy firms, professional organisations and private companies with a focus in policy design, analysis and implementation. Because of the research orientation of this Master's programme, they are also well prepared for doctoral studies.

Your programme

This Master's programme is structured in four blocks of teaching and learning activities totalling 120 ECTS credits.

It offers basic knowledge and skills and options to choose from at UCL or at a partner university.

Two professional focus are possible:

- Professional focus in soil sciences (MISOL)
- Professional focus: Agricultural, Food and Environmental Analysis (AFEPA)

The MISSOL program is an international master's degree initiated by Sorbonne Universities. It is designed to allow you to spend an exchange year in one of the 3 partner universities:

- University Antananarivo (Madagascar)
- University Nangui Abrogoua, Abidjan (Côte d'Ivoire)
- University science and technology, Hanoi (Vietnam).

If you are selected, this exchange can be funded by an Erasmus + grant.

Structure of the program MISSOL

1. A core set of compulsory learning activities for 40 ECTS credits (Master's thesis, two summer schools)
2. A professional focus of compulsory courses for 30 ECTS credits
3. 50 ECTS credits to be chosen in a list of courses

The AFEPA program is an international master's degree which involves different universities:

The main partner universities are:

- Università Cattolica del Sacro Cuore (UCSC) in Milano, Italy
- Rheinische Friedrich-Wilhelms-Universität (UBonn) in Bonn, Germany
- Swedish University of Agricultural Sciences (SLU) in Uppsala, Sweden
- Université catholique de Louvain (UCLouvain) in Louvain-la-neuve, Belgium

The following universities are associated with the program:

- Pontificia Universidad Católica (PUC) in Santiago, Chile
- University of Alberta (UALberta) in Edmonton, Canada
- Universitat Politècnica de Catalunya (UPC) in Barcelona, Spain
- African Economic Research Consortium (AERC) in Nairobi, Kenya

If you are selected, this exchange can be funded by an Erasmus + grant.

Structure of the program AFEPA

1. A core set of compulsory learning activities for 40 ECTS credits (Master's thesis, two summer schools)

2. A professional focus of compulsory courses for 30 ECTS credits (microeconomic theory, agricultural and trade policy, quantitative methods)
3. An option with optional courses for 30 ECTS credits that can be grouped into five subject areas:
 - i. agri-food and trade policy (at UCL and partner universities)
 - ii. development policy at UCL (at UCL and partner universities)
 - iii. environmental and natural resource policy (at partner universities)
 - iv. agribusiness and market analysis (at partner universities)
 - v. market and consumer research (at partner universities)
4. A set of supplementary courses, including a language course, for 20 ECTS credits.

The language of instruction and examination is English for all the courses at SLU, UAlberta, UBonn and UCSC, and for most of the courses at UCL and UPC, but in Spanish for most of the courses at PUC. Examination can be organized in English at all partners.

SAIV2M - Teaching profile

Learning outcomes

By the end of this Master's programme, the graduate student is:

1. aware of the economic, social and environmental dimensions of the performance and competitiveness of the agricultural and food sectors and other profit (market) and non-profit (non-market) activities in rural areas,
2. able to understand the fundamentals of recent economic theory as well as its strengths and weaknesses,
3. able to use and apply adequate methods and tools to address and analyse socio-economic and environmental problems that are observed or anticipated in the agricultural and food sectors and rural areas in different development contexts,
4. able to use complementary approaches from other disciplines when needed,
5. able to perform sound quantitative economic analysis and anticipate possible effects of policy and regulation reforms,
6. able to interpret results and derive policy implications and recommendations,
7. able to draw from European experience and expertise in designing and evaluating policy and regulatory reforms given the economic, social, environmental and ethical dimensions of the issues facing societies expressing structural change, and
8. able to communicate their methods and results to both specialised and non-specialised audiences, in at least two European languages.

The main objective of this Master's programme is that graduates be qualified to use and apply adequate methods to analyse socio-economic problems, formulate policy recommendations and understand the risks and consequences of any given economic policy measures, especially those oriented to the agricultural and food sector, rural areas as well as natural resources and their environment. In particular, graduates are expected to be able to use and develop quantitative methods to perform rigorous socio-economic and environmental assessments of these public policies, and provide sound and relevant policy recommendations to a better sustainable development of rural areas.

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

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

SAIV2M Programme

Detailed programme by subject

CORE COURSES [90.0]

- 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 Mémoire (30 credits)

| | | | | | |
|-------------|----------------|--|------------------------------|--|---|
| ○ LSAIV2200 | Masters thesis | | FR [q1+q2] [] [27 Credits] 🌐 | | X |
|-------------|----------------|--|------------------------------|--|---|

o 3 crédits à choisir parmi les unités d'enseignement suivantes : (3 credits)

LBIRA2210 pour la finalité spécialisée AFEPA ; LBIRE2210 pour les finalités spécialisées GEM et MISSOL.

| | | | | | |
|-------------|-------------------------------------|--|---|--|---|
| ⊗ LBIRA2210 | Master thesis' accompanying seminar | Philippe Baret Pierre Bertin (coord.) Cathy Debier Frédéric Gaspard Anne Legrève | EN [q1+q2] [30h] [3 Credits] 🌐 > French-friendly | | X |
| ⊗ LBIRE2210 | Master thesis' accompanying seminar | Charles Bielders Patrick Bogaert (coord.) Pierre Delmelle Caroline Vincke | EN [q1+q2] [30h] [3 Credits] 🌐 > French-friendly | | X |

o Activités complémentaires en fonction de la finalité (60 credits)

Minimum 60 crédit(s)

⊗ Programme pour la finalité spécialisée Agricultural, Food and Environmental Policy Analysis (AFEPA) (60 credits)

| | | | | | |
|--------------|--|------------------------|---|--|---|
| ○ LBIRA2105 | Agricultural and rural policies | Goedele Van den Broeck | EN [q1] [30h] [4 Credits] 🌐 > French-friendly | | X |
| ○ LBIRE2205A | Decision tools and project management - Decision tools | | EN [q1] [22.5h+7.5h] [4 Credits] 🌐 > French-friendly | | X |
| ○ LBRAI2213 | Impact evaluation in agriculture | Goedele Van den Broeck | EN [q2] [30h+8h] [4 Credits] 🌐 > French-friendly | | X |
| ○ LBRAI2218 | Special Topics in Agricultural Economics | Frédéric Gaspard | EN [q2] [30h+22.5h] [6 Credits] 🌐 > French-friendly | | X |

o 5 crédits au choix libre incluant une unité d'enseignement de langue (5 credits)

o 13 crédits minimum au bloc annuel 1 et 19 crédits minimum au bloc annuel 2 à choisir parmi les unités d'enseignement suivantes :

| | | | | | |
|--------------|--|------------------------|--|--|-----|
| ⊗ LBIR1362 | Environmental Economics | Frédéric Gaspard | FR [q2] [30h+7.5h] [3 Credits] 🌐 | | X |
| ⊗ LBIR2004A | Masters Internship | | FR [q2] [] [6 Credits] 🌐 > English-friendly | | X X |
| ⊗ LBIRA2105 | Agricultural and rural policies | Goedele Van den Broeck | EN [q1] [30h] [4 Credits] 🌐 > French-friendly | | X |
| ⊗ LBIRA2109 | Agrarian systems and farm | Pierre Bertin | FR [q1] [30h+0h] [3 Credits] 🌐 > English-friendly | | X X |
| ⊗ LBIRA2110B | Statistical analysis of multivariate data - Applied Econometrics | | FR [q1] [27.5h+7.5h] [4 Credits] 🌐 > English-friendly | | X |
| ⊗ LBIRE2102S | Applied geomatics - Partim B | | FR [q1] [30h+11.5h] [3 Credits] 🌐 > English-friendly | | X X |
| ⊗ LBIRE2205A | Decision tools and project management - Decision tools | | EN [q1] [22.5h+7.5h] [4 Credits] 🌐 > French-friendly | | X |
| ⊗ LBRAI2110 | Elements of Agroecology | Philippe Baret | EN [q1] [30h] [4 Credits] 🌐 > French-friendly | | X X |
| ⊗ LBRAI2208 | Firms and Markets : Strategic Analysis | Frédéric Gaspard | EN [q1] [30h] [5 Credits] 🌐 > French-friendly | | X |

| | | | | Year | |
|-------------|---|--------------------------|---|------|---|
| | | | | 1 | 2 |
| ⌘ LBRAI2210 | Microeconomics of Development | Frédéric Gaspart | EN [q1] [30h] [4 Credits] > French-friendly | x | x |
| ⌘ LBRAI2212 | Economics of Rural Development | Goedele Van den Broeck | EN [q1] [30h] [4 Credits] > French-friendly | x | x |
| ⌘ LBRAI2213 | Impact evaluation in agriculture | Goedele Van den Broeck | EN [q2] [30h+8h] [4 Credits] > French-friendly | | x |
| ⌘ LECGE1316 | Econometrics | Muriel Dejemepe | FR [q1] [30h+15h] [5 Credits] | | x |
| ⌘ LECON2031 | Applied Econometrics : Time Series | | EN [q1] [30h+12h] [5 Credits] | x | x |
| ⌘ LECON2033 | Applied econometrics: Microeconometrics | | FR [q1] [30h+12h] [5 Credits] | | x |
| ⌘ LECON2041 | International Trade | Gonzague Vannoorenberghe | EN [q2] [30h] [5 Credits] | | x |
| ⌘ LECON2314 | Economic Geography | Joseph Gomes | EN [q2] [30h] [5 Credits] | x | x |
| ⌘ LECON2353 | Labour Productivity | | EN [q2] [30h] [5 Credits] | | x |
| ⌘ LECON2411 | Norms and Public Interventionng <i>Course taught at Namur (UNamur)</i> | | EN [q2] [30h] [5 Credits] | | x |
| ⌘ LECON2607 | Public Economics | | EN [q2] [30h] [5 Credits] | | x |
| ⌘ LECON2828 | Structural change, inequality, and development [M] <i>Course taught at UCLouvain / Course description available on UNamur ECONM828 / https://directory.unamur.be/teaching/courses/ECONM828</i> | | EN [q2] [30h] [5 Credits] | x | x |
| ⌘ LECON2865 | Trade Policy and International Cooperation <i>Course taught at UCLouvain / Course description available on UNamur ECONM865 / https://directory.unamur.be/teaching/courses/ECONM865</i> | | EN [q2] [30h] [5 Credits] | | x |
| ⌘ LGEO1321 | Geography of rural areas: land use, environment, nature | | FR [q2] [30h+15h] [5 Credits] > English-friendly | x | x |
| ⌘ LGEO2130 | Fundamentals of geographic and environmental modelling | | EN [q2] [30h+30h] [5 Credits] | x | x |
| ⌘ LINGE1221 | Econometrics | Sébastien Van Bellegem | FR [q2] [30h+15h] [5 Credits] | | x |

⌘ Programme pour la finalité "GISciences and EO for Environmental Modelling and Management (GEM)" (60 credits)









L'étudiant-e suit le programme détaillé sur le site GEM MSC <https://www.gem-msc.eu/programme-structure/>
From 0 to 0credit(s)

⌘ Programme pour la finalité spécialisée Sciences du sol (MISSOL) (60 credits)

| | | | | | |
|-------------|---|--|---|---|--|
| ○ LBIR1328 | Climatology and hydrology applied to agronomy and the environment | Charles Bielders (coord.) Hugues Goosse Marnik Vanclooster | EN [q1] [45h+22.5h] [6 Credits] > French-friendly | x | |
| ○ LBIR1336 | Soil science and integrated excursions | Yannick Agnan (coord.) Richard Lambert Caroline Vincke | FR [q2] [30h+37.5h] [5 Credits] > English-friendly | x | |
| ○ LBIRE2105 | Assessment of water - soil - air quality | Yannick Agnan (coord.) Philippe Maetz Xavier Rollin | FR [q1] [30h+0h] [3 Credits] | x | |
| ○ LBIRE2131 | Environmental Impact Assessment : diagnosis and indicators | Charles Bielders (coord.) Pierre Defourny | FR [q2] [22.5h] [3 Credits] | x | |
| ○ LBRES2101 | Smart technologies for environmental engineering | Sébastien Lambot | EN [q1] [32.5h+20h] [4 Credits] > French-friendly | x | |
| ○ LBRES2104 | IRRIGATION AND DRAINAGE | Mathieu Javaux | FR [q2] [22.5h+22.5h] [5 Credits] | x | |
| ○ LBRES2204 | Integrated water management of water resources | Marnik Vanclooster (coord.) | FR [q1] [22.5h+22.5h] [4 Credits] | x | |

○ 30 crédits minimum à choisir parmi les unités d'enseignement suivantes : (30 credits)

| | | | | | |
|-------------|---|---|--|--|---|
| ⌘ LANGL2480 | English Communication Skills for Bioengineers | Ahmed Adriouèche Ariane Halleux Lucille Meyers Philippe Neyt Charlotte Peters (coord.) Adrien Pham Anne-Julie Toubeau (coord.) | EN [q2] [30h] [2 Credits] > French-friendly | | x |
|-------------|---|---|--|--|---|

| | | | | Year | |
|--------------|---------------------------------------|---|--|------|---|
| | | | | 1 | 2 |
| ⌘ LBIRA2109 | Agrarian systems and farm | Pierre Bertin | FR [q1] [30h+0h] [3 Credits]  > English-friendly | | X |
| ⌘ LBRES2206 | Advanced Hydrology for Engineers | Mathieu Javaux | EN [q1] [22.5h+15h] [3 Credits]  > French-friendly | | X |
| ⌘ LBRTE2101 | Applied hydro-biogeochemistry | Pierre Delmelle Patrick Gerin (coord.) | EN [q1] [30h+15h] [4 Credits]  > French-friendly | | X |
| ⌘ LENVI2005 | Climate change: impacts and solutions | | FR [q2] [30h] [3 Credits]  | | X |
| ⌘ LGCIV1072 | Soil mechanics | | FR [q1] [30h+30h] [5 Credits]  | | X |
| ⌘ LGCIV2073 | Hydrogeology and Geoenvironment [M] | | EN [q1] [30h+15h] [5 Credits]  > French-friendly | | X |
| ⌘ LGEO2120 | Applied geomorphology | | EN [q1] [30h+30h] [5 Credits]  | | X |
| ⌘ LSTAT2110A | Analyse des données | | FR [q1] [15h+7.5h] [3 Credits]  | | X |

LIST OF FOCUSES

- > Professional Focus: Agricultural, Food and Environmental Policy Analysis [en-prog-2024-saiv2m-lsaiv220s]
- > Professional Focus: Geo-Information Science and Earth Observation for Environmental Modelling and Management [en-prog-2024-saiv2m-lsaiv230s]
- > Professional Focus: Soil Science [en-prog-2024-saiv2m-lsaiv210s]

PROFESSIONAL FOCUS: AGRICULTURAL, FOOD AND ENVIRONMENTAL POLICY ANALYSIS [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, ...)

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

Year

1 2

o Content:

| | | | | | |
|-------------|--|------------------|--|---|--|
| ○ LBRAI2208 | Firms and Markets : Strategic Analysis | Frédéric Gaspart | EN [q1] [30h] [5 Credits] 🌐 > French-friendly | X | |
| ○ LECON2353 | Labour Productivity | | EN [q2] [30h] [5 Credits] 🌐 | X | |
| ○ LECON2411 | Norms and Public Intervention Course taught at Namur (UNamur) | | EN [q2] [30h] [5 Credits] 🌐 | X | |
| ○ LECON2607 | Public Economics | | EN [q2] [30h] [5 Credits] 🌐 | X | |

o One course to be chosen amongst the suggested list:

| | | | | | |
|--------------|--|------------------------|--|---|--|
| ⊗ LBIRA2110B | Statistical analysis of multivariate data - Applied Econometrics | | EN [q1] [27.5h+7.5h] [4 Credits] 🌐 > English-friendly | X | |
| ⊗ LECGE1316 | Econometrics | Muriel Dejemeppe | FR [q1] [30h+15h] [5 Credits] 🌐 | X | |
| ⊗ LECON2033 | Applied econometrics: Microeconomics | | FR [q1] [30h+12h] [5 Credits] 🌐 | X | |
| ⊗ LINGE1221 | Econometrics | Sébastien Van Bellegem | FR [q2] [30h+15h] [5 Credits] 🌐 | X | |

o One course to be chosen amongst the suggested list:

| | | | | | |
|-------------|--|--------------------------|-----------------------------|---|--|
| ⊗ LECON2041 | International Trade | Gonzague Vannoorenberghe | EN [q2] [30h] [5 Credits] 🌐 | X | |
| ⊗ LECON2865 | Trade Policy and International Cooperation Course taught at UCLouvain / Course description available on UNamur ECONM865 / https://directory.unamur.be/teaching/courses/ECONM865 | | EN [q2] [30h] [5 Credits] 🌐 | X | |

PROFESSIONAL FOCUS: GEO-INFORMATION SCIENCE AND EARTH OBSERVATION FOR ENVIRONMENTAL MODELLING AND MANAGEMENT [30.0]

PROFESSIONAL FOCUS: SOIL SCIENCE [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, ...)

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

Year

1 2

o Content: (30 credits)

| ○ LBIRE2102 | Applied geomatics | Pierre Defourny | EN [q1] [30h+22.5h] [4 Credits] 🌐 > English-friendly | X | |
|--------------|--|---|--|---|--|
| ○ LBIRE2104 | Applied soil sciences | Yannick Agnan Pierre Delmelle (coord.) | EN [q1] [22.5h+22.5h] [5 Credits] 🌐 > English-friendly | X | |
| ○ LBRES2102 | Engineering of the water and the pollutants in grounds and groundwaters | Marnik Vanclooster | EN [q2] [22.5h+22.5h] [4 Credits] 🌐 > French-friendly | X | |
| ○ LBRES2103 | Soil physics applied to Agronomy and Environment | Charles Bielders (coord.) Mathieu Javaux | EN [q1] [30h+15h] [4 Credits] 🌐 | X | |
| ○ LBRES2105 | Soil erosion and conservation | Charles Bielders | EN [q2] [22.5h+22.5h] [4 Credits] △ 🌐 > French-friendly | X | |
| ○ LBRES2203 | Soil management in tropical and subtropical regions | Charles Bielders (coord.) | EN [q2] [22.5h+7.5h] [3 Credits] △ 🌐 | X | |
| ○ LBRES2218 | Soil and water resources management and environmental technologies professional seminars + excursion | Charles Bielders Marnik Vanclooster (coord.) | EN [q1+q2] [22.5h+15h] [3 Credits] 🌐 | X | |
| ○ LBRTI2101A | Data Science in bioscience engineering | | EN [q1] [22.5h+15h] [3 Credits] 🌐 > English-friendly | 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 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.

SAIV2M - 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

Admission conditions

General and specific admission requirements for this Master's programme must be satisfied at the time of enrolling at UCL:

1. having acquired a Bachelor's degree or an equivalent academic degree of minimum three years of undergraduate study corresponding to 180 ECTS credits;
2. having followed courses in mathematics, statistics and economics at an introductory level is mandatory; having an additional introduction to agricultural, environmental or food sciences is recommended; and
3. proofing English proficiency at the minimum level of B2 of the Common European Framework of Reference for Languages (see www.coe.int/en/web/portfolio).

Applicants not meeting these admission conditions need to follow additional supplementary courses. The modified study programme will be established with the Study Adviser of the Faculty.

The admission to the inter-university AFEPA programme is subject to specific conditions including English proficiency at the minimum level of a TOEFL score of 550 (paper version) or 80 (internet version) or an overall band IELTS score of 6.5 with no sectional score below 5.5 or with a signal deemed equivalent. Notwithstanding these admission criteria, individual partner institutions reserve their right to determine the final admission eligibility of each applicant.

Applicants are requested to respect deadlines for their application. Additional information is provided at

University Bachelors

| Diploma | Special Requirements | Access | Remarks |
|---|---|---|---------|
| UCLouvain Bachelors | | | |
| Bachelier en sciences géographiques | voir www.uclouvain.be/afepa | Access based on application | |
| Bachelier en sciences économiques | voir www.uclouvain.be/afepa | Access based on application | |
| BIR1BA | voir www.uclouvain.be/afepa | Access based on application | |
| Others Bachelors of the French speaking Community of Belgium | | | |
| Bachelier en sciences géographiques et/ou environnementales | voir www.uclouvain.be/afepa | Access based on application | |
| Bachelier en sciences sociales et/ou économiques | voir www.uclouvain.be/afepa | Access based on application | |

| | | |
|--|---|-----------------------------|
| Bachelier en sciences de l'ingénieur, orientation bioingénieur | voir www.uclouvain.be/afepa | Access based on application |
|--|---|-----------------------------|

Bachelors of the Dutch speaking Community of Belgium

| | | |
|--|---|-----------------------------|
| Tout grade de bachelier en sciences sociales, économiques, agronomiques, géographiques et/ou environnementales | voir www.uclouvain.be/afepa | Access based on application |
|--|---|-----------------------------|

Foreign Bachelors

| | | |
|--|---|-----------------------------|
| Tout grade de bachelier en sciences sociales, économiques, agronomiques, géographiques et/ou environnementales | voir www.uclouvain.be/afepa | Access based on application |
|--|---|-----------------------------|

Non university Bachelors

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

| Diploma | Access | Remarks |
|--|--|------------|
| BA en agronomie, orientation agro-industries et biotechnologies - crédits supplémentaires entre 30 et 45 | Les enseignements supplémentaires éventuels peuvent être consultés dans le module complémentaire . | Type court |
| BA en agronomie, orientation agronomie des régions chaudes - crédits supplémentaires entre 30 et 45 | | |
| BA en agronomie, orientation environnement - crédits supplémentaires entre 30 et 45 | | |
| BA en agronomie, orientation forêt et nature - crédits supplémentaires entre 30 et 45 | | |
| BA en agronomie, orientation techniques et gestion agricoles - crédits supplémentaires entre 30 et 45 | | |
| BA en agronomie, orientation techniques et gestion horticoles - crédits supplémentaires entre 30 et 45 | | |
| BA en agronomie, orientation technologie animale - crédits supplémentaires entre 30 et 45 | | |
| BA en chimie, orientation biochimie - crédits supplémentaires entre 30 et 45 | | |
| BA en chimie, orientation biotechnologie - crédits supplémentaires entre 30 et 45 | | |
| BA en chimie, orientation chimie appliquée - crédits supplémentaires entre 30 et 45 | | |
| BA en chimie, orientation environnement - crédits supplémentaires entre 30 et 45 | | |

Holders of a 2nd cycle University degree

| Diploma | Special Requirements | Access | Remarks |
|--------------------|----------------------|--------|---------|
| "Licenciés" | | | |

Masters

| | | |
|---|---|-----------------------------|
| Tout grade de master en sciences sociales, agronomiques, économiques, géographiques et/ou environnementales | voir www.uclouvain.be/afepa | Access based on application |
|---|---|-----------------------------|

Holders of a non-University 2nd cycle degree

Aucune passerelle dans le cas de ce master.

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

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 are assessed according to the activities in the programme : this can take the form of written and/or oral examinations as well as individual and/or group work.

Further details about how the assessment is done can be found in the course specifications.

Mobility and/or Internationalisation outlook

The master in Agriculture and Bio-industries is an interuniversity master.

Students registered in this Master's programme have the possibility to spend a study or research period at other institutions and may be able to integrate their academic credits earned into their academic curriculum at one of these partner institutions.

This master can lead to the issuance of the Master in Agriculture and Bio-industries together with the issuance of a second master from a partner university provided that a sufficient number of credits have been acquired in this university.

The master in Agriculture and Bio-industries develops:

- the ability to analyze agronomic problems
- the ability to understand different processes
- the ability to manage projects with other specialists.

At the end of this master, you will be able to find relevant, innovative and scientific solutions to help the development of products, process systems or services in this area of specialization.

Two professional focus are possible:

- Professional focus in soil sciences ([MISOL](#))
- Professional focus: Agricultural, Food and Environmental Analysis ([AFEPA](#))

Possible trainings at the end of the programme

/* /*]]>*/

Possible trainings at the end of the programme

Successful completion of this Master's programme enables direct entry to other training programmes in the second and third cycles.

- Advanced Masters: the Advanced Masters in the field authorized by regulations in addition to those established by the University Development Commission (ARES-CCD) in the same field.
- Doctoral programmes: doctorate in Agronomic Science and Biological Engineering and other fields and universities subject to admission.

Contacts

For more information about this programme, please contact Professor Frédéric Gaspart at - frederic.gaspart@uclouvain.be

Curriculum Management

| | |
|------------------------------|--|
| Faculty | |
| Structure entity | SST/AGRO |
| Denomination | Faculty of bioscience engineering (AGRO) |
| Sector | Sciences and Technology (SST) |
| Acronym | AGRO |
| Postal address | Croix du Sud 2 - bte L7.05.01 1348 Louvain-la-Neuve Tel: +32 (0) 10 47 37 19 - Fax: +32 (0) 10 47 47 45 http://www.uclouvain.be/agro |
| Website | |
| Mandate(s) | <ul style="list-style-type: none">• Dean : Christine Dupont• Administrative director : Carole Dekelver |
| Commission(s) of programme | <ul style="list-style-type: none">• 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: | Frédéric Gaspart |
| Other academic Supervisor(s) | <ul style="list-style-type: none">• Mathieu Javaux• Pierre Defourny |
| Jury | <ul style="list-style-type: none">• Président de jury: Quentin Ponette• Secrétaire: Sophie Opfergelt |
| Useful Contact(s) | <ul style="list-style-type: none">• Conseiller aux études: Pierre Bertin |

