



## LING2M - Introduction

### Introduction

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#### Introduction

This Master's degree provides advanced training in general and applied linguistics, with two possible specializations: Natural Language Processing (French) and "Linguistics and its applications to a multilingual society" (English, French and/or multilingual). The degree may lead to a position in research or in the broad sector of written and spoken communication (terminology, dictionaries, text readability, text data analysis, etc.), including the 'language industries' or digital humanities sectors.

As this Master's programme attracts a number of international students, you will be immersed in a natural multilingual environment.

#### Your profile

You

- have discovered, during your first training in language and literature or taking the linguistics minor, a marked interest in linguistic issues;
- are convinced that language plays a major role in any society;
- wish to understand how language functions in context and are curious about the mechanisms of language processing;
- wish to include a professional experience (internship) in your training;
- would like to deepen your linguistic knowledge in French, in English, and possibly in other foreign languages (Dutch, German or Spanish).

#### Your programme

This Master's degree offers you

- training which combines linguistic theory and applied linguistics;
- wide interdisciplinary range (IT, sociology, psycholinguistics, etc.);
- a solid and varied methodological background (corpus analysis, experimental linguistics, statistics, contrastive and variationist analysis, sociolinguistic surveys, etc.);
- a programme personalised through the choice of a focus, an option and optional courses;
- the possibility of a study visit abroad or work experience in the field (see

## LING2M - Teaching profile

### Learning outcomes

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Students on the [Master \[120\] in Linguistics](#) prepare themselves for the challenge of becoming a true scientist of language, with a rigorous and functionalist approach, who contribute to the significant issues and challenges relating to the application of linguistic analysis to other fields (lexicography, translation, learning and teaching languages, etc.).

The aim of the Master in Linguistics is to provide in-depth training in general and applied linguistics, in French and/or English, opening the way for students to go into research or to work in an allied field of written or oral communication in a broad sense, including the 'language industries' or digital humanities sectors.

In order to achieve that, students will master a large and well-accepted base of knowledge, know-how and skills in linguistics which they are able to employ in order to approach, analyse and respond to situations/problems touching upon all the complex and transversal aspects of linguistics. Therefore, at the end of their training, students will have:

- a broad and solid mastery of the principles and mechanisms involved in how language and languages operate;
- the ability to analyse and interpret all aspects of language phenomena (oral and written language; first, second or foreign languages; language varieties; etc.) on the basis of their mastery of a range of linguistic models and theories and their components;
- an excellent mastery of languages and scientific reasoning allowing them to provide data for a linguistic problem and explain challenges in different professional contexts (language industry, writing dictionaries, translation, language-learning materials...);
- a real expertise in oral and written communication founded upon expert language skills and their ability to overcome linguistic challenges and adapt to the target audience;
- excellent methodological skills, including digital and project management skills;
- an initial professional experience acquired during an internship in a research centre or business.

The students will give priority, by deciding what they will focus upon, to either training oriented towards professions in the language industry ("Natural Language Processing" focus) or, to professions requiring excellent abilities in one or more languages, combining a solid training in linguistic theory and methodology ("Linguistics and its Applications for a Multilingual Society" focus).

In addition, students will, in particular thanks to a professional internship, have developed a significant capacity for adaptation and the ability to question and engage in professional practice. Students will integrate a continuous developmental logic which allows them to perform as professionals demonstrating high-level expertise and flexibility, and be able to adapt and develop positively within the context of their work.

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

1. Demonstrate an in-depth and specialised mastery of linguistic models and theories and their components.
  - 1.1. Identify and master linguistic units, their interrelations and the processes influencing them.
  - 1.2. Distinguish the different levels of linguistic analysis, phonology, lexicology, syntax, semantics, pragmatics.
  - 1.3. Identify different types and sources of linguistic and non-linguistic meaning.
  - 1.4. Demonstrate an in-depth and advanced mastery of the nature of and grounds for linguistic theories, principles, hypotheses and explanations.
  - 1.5. Describe and explain the component principles of theoretical models linked to a given field of analysis.

4.8. Demonstrate the critical rigour, precision and distance (both in their own work as well as the knowledge and methodologies used in it) which are essential to all work at university level.

4.9. Demonstrate the relevance and quality, specific to the demands of a profession in linguistics, both in terms of composition and presentation.

5. Professionally communicate, by employing their expert language skills and incorporating linguistic issues, adapting to the context and target audience and constructively interacting and collaborating with the different actors involved in a given situation.

5.1. Have skills in written and oral comprehension in English which fulfil the requirements of level C1 of the Common European Framework of Reference for Languages.

5.2. Have skills in written and oral comprehension as well as written and oral expression which fulfil the requirements of level C1 of the Common European Framework of Reference for Languages in French and/or English, according to the electives chosen.

5.3. Explain the details of a linguistic problem and the linguistic challenges in various professional contexts, formulated in a way that it can be understood by actors in the field, in their fields of specialisation (depending upon their choices of elective).

5.4. Effectively integrate into and collaborate with a team and different actors in networks involved in a given situation (in educational and professional (internship), national or international and multicultural contexts), in their fields of specialisation (depending upon their choice of elective).

6. Act as an academic and critical and responsible actor with a plan for continuing development.

6.1. Progress in professional practice in accordance with a grounded academic approach (from a theoretical and methodological point of view) characterised by a critical distance.

6.2. Engage in, decide upon and act in respect of work and third parties in an independent and responsible manner in line with the relevant framework.

6.3. Cast a critical eye over their own knowledge and competencies (linguistic and others) and independently put in place methods and opportunities to improve them as part of a system of continuing development which is indispensable in order to progress in a positive way in their social and professional environments.

7. Employ all the complex and transversal aspects of linguistic analysis skills where relevant, in other domains which are more or less connected to linguistics.

7.1.

If the **Professional Focus: Natural Language Processing** is chosen: make use of and create Natural Language Processing solutions (choose methodologies, apply specialised tools, programme applications, create linguistic tools) in order to respond to the needs of the language industry (linguistic engineering, machine translation, term extraction, information extraction, text generation, speech processing, etc.).

7.1.1 Master the methods, technologies and concepts which are essential to the automatic processing of natural language (intelligent text processing, the man-machine interface, machine translation, document navigation, etc.).

7.1.2 Master a solid base of knowledge and skills in the programming of computers and algorithms and employ them as relevant to programme specific applications and create linguistic tools.

7.1.3 Take responsibility for or contribute directly to the realization of an application for the processing of language by machines or a study on a complex use of NLP software.

7.1.4 Within the framework of a specific professional experience (in a business or a research centre), employ a wide range of knowledge and skills in linguistics and otherwise, integrate the requirements of the development of real NLP applications and experience a professional environment for the first time.

7.2.

If the **Professional Focus: Linguistics and its Applications for a Multilingual Society (LAMUSO)** has been chosen: grasp the relevance of linguistics to adjacent fields and employ their excellent language skills, including the linguistic analysis tools and methods, in two or more languages, to act relevantly in those fields (lexicography, translation, foreign language learning and teaching, etc.).

7.2.1 Develop skills which are specific to language usage, in particular in multilingual contexts, and in relation to the connected methods, models and applications in linguistic research; in two or more languages.

7.2.2 Take responsibility for or directly contribute to the realisation of a project with an important linguistic component (language

## LING2M Programme

### Detailed programme by subject

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#### CORE COURSES [50.0]

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- 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, ...)

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

Year

				Year	
				1	2
⌘ LGERM2823	English Linguistics: Lexicology	Gaëtanelle Gilquin (compensates Sylvie De Cock)	EN [q1] [22.5h] [5 Credits] 🌐	x	x

### ⌘ Additional language course (3 to 5 credits maximum)

Students whose level of English does not enable them to read academic articles may add to their programme one or two of the following English courses. Students who have a particular interest in sign language may add one course (5 credits) to their programme, provided justification is given. The additional course will form part of the overall Master's programme which will total more than 120 credits.

⌘ LANGL1700	Advanced English	Timothy Byrne (coord.) Philippe Denis (coord.)	EN [q1 or q2] [30h] [3 Credits] 🌐	x	
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## LIST OF FOCUSES

Students choose one of the following focuses:

- > Professional Focus : Natural Language Processing [ en-prog-2024-ling2m-lling202s ]
- > Professional Focus : Linguistics and its Applications for a Multilingual Society [ en-prog-2024-ling2m-lling203s ]

### PROFESSIONAL FOCUS : NATURAL LANGUAGE PROCESSING [30.0]

This professional focus trains students in language industry tools (spell-checking, speech recognition, machine translation, document management, etc.). With its strong business focus, this specialization welcomes guest researchers (from academia and business).

For further information: <https://uclouvain.be/fr/instituts-recherche/ilc/cental>

- 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:

##### o Computer studies (10 credits)

○ LINFO1101	Introduction to programming	Kim Mens Siegfried Nijssen Charles Pecheur	FR [q1] [30h+30h] [5 Credits] 🌐	X	
○ LINFO1103	Introduction to algorithms	Pierre Dupont	FR [q2] [30h+30h] [5 Credits] 🌐	X	

##### o Automatic Language Processing (20 credits)

○ LFIAL2620	Natural language processing	Cédric Fairon	FR [q1] [22.5h] [5 Credits] 🌐 > English-friendly	X	
○ LFIAL2630	Automatic language processing methods	Cédric Fairon	FR [q2] [22.5h] [5 Credits] 🌐 > English-friendly	X	X
○ LCLIG2220	Overview of applications in NLP	Cédric Fairon	FR [q1+q2] [15h] [5 Credits] 🌐 > English-friendly		X
○ LCLIG2260	Introduction to speech processing	Thierry Dutoit	FR [q1] [15h] [5 Credits] 🌐		X





Year

1 2

**Sociolinguistics**

One of the following courses:

 LGERM2723	<a href="#">English linguistics: sociolinguistics</a>	Sylvie De Cock	EN [q2] [15h] [5 Credits] 	x x
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## **OPTIONS [40.0]**

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Regardless of the chosen focus, **the programme contains**

- **40 credits of option and optional courses** distributed as follows: one option of minimum 15 credits completed with maximum 25 credits of optional courses (which can be chosen from the options below except INEO)

OR

- **two options** of minimum 15 credits each.

A maximum of 30 credits can be chosen within one option.

A **B2 level**



## OPTION IN ENGLISH LINGUISTICS: SECOND LANGUAGE ACQUISITION AND LANGUAGE LEARNING

- 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

### Content:

Code	Course Title	Instructor	Details	Year 1	Year 2
⊗ LGERM2871	<a href="#">Research seminar in English linguistics: Learner Corpus Research</a>	Magali Paquot	EN [q2] [15h] [5 Credits] ⊕ 🌐	X	X
⊗ LGERM2725	<a href="#">English Linguistics: Second Language Acquisition</a>	Fanny Meunier Magali Paquot	EN [q2] [30h] [5 Credits] ⊙ 🌐	X	X
⊗ LGERM2921	<a href="#">Technology-enhanced language teaching and learning seminar</a>	Fanny Meunier	EN [q1] [15h] [5 Credits] ⊙ 🌐	X	X
⊗ LGERM2522	<a href="#">English as a foreign language (EFL) methodology</a>	Philippe Denis Marielle Henriet Fanny Meunier Julie Van de Vyver (compensates Fanny Meunier)	EN [q1+q2] [22.5h+35h] [5 Credits] 🌐	X	X

## OPTION IN FRENCH LINGUISTICS

- 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

### Content:

Code	Course Title	Instructor	Details	Year 1	Year 2
⊗ LCLIG2210	<a href="#">Prosody of the Spoken Voice</a>	Anne-Catherine Simon	FR [q2] [30h] [5 Credits] 🌐	X	X
⊗ LROM2155	<a href="#">Seminar : Qualitative Analysis of Political Discourse</a>	Philippe Hambye	FR [q1] [15h] [5 Credits] 🌐	X	X
⊗ LROM2640	<a href="#">Language policy</a>	Philippe Hambye	FR [q2] [22.5h] [5 Credits] ⊙ 🌐	X	X
⊗ LROM2610	<a href="#">Analysis of linguistic phenomena and the teaching of French</a>	Philippe Hambye	FR [q2] [22.5h] [5 Credits] ⊕ 🌐	X	X
⊗ LROM2620	<a href="#">Acquisition of a second or foreign language: theory and applications</a>	Françoise Masuy	FR [q1] [22.5h] [5 Credits] 🌐	X	X

**OPTION IN NEDERLANDSE TAALKUNDE**

- 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:**

⊗ LGERM2731	Research seminar "Construction grammar: a corpus-based exploration of Dutch constructions"	Kristel Van Goethem	NL [q2] [22.5h] [5 Credits] 🌐	X	X
⊗ LGERM2737	Writing in a foreign language: linguistic and cognitive aspects	Elisabeth Degand	NL [q1] [15h] [5 Credits] 🌐	X	X
⊗ LGERM2835	Dutch linguistics: morphosyntactic, phonetic and lexical aspects of Dutch as a foreign language	Philippe Hiligsmann	NL [q1] [15h] [5 Credits] 🌐	X	X
⊗ LGERM2881	Research Seminar Dutch Linguistics		NL [q2] [15h] [5 Credits] △ ⊕ 🌐	X	X

**OPTION IN GERMAN LINGUISTICS**

- 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



## INTERDISCIPLINARY PROGRAM IN ENTREPRENEURSHIP - INEO [30.0]

INEO is an option offered in 30 Master programmes, in 9 faculties of UCLouvain. It involves the completion of an interfaculty dissertation (in teams) on a business creation project. Access to this option (as well as to each of the courses) is limited to students selected by application. All information on <https://uclouvain.be/en/study/ineo>.

- 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]

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### ***OPTION IN DIGITAL CULTURE AND ETHICS [15.0]***

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The digital has transformed our lives and culture to the extent to which everything takes place nowadays in “digital space,” as our own space, time, and existence are all deeply digitalized. In the “culture of connectivity,” the digital is ubiquitous, we are, one way or another, always online, while technology is no longer just ‘at hand’, but already intimately infiltrating and fusing with our thoughts, our sensations, and even our bodies.

The Digital Culture and Ethics Option offers courses focusing on such profound changes brought about by the digital in all walks of life and academic disciplines alike. It invites the students to reflect critically and creatively on the resulting large-scale evolutions and equips them with the right skills and tools for approaching their subject matters from cutting-edge and presently much needed, genuinely effective and encompassing perspectives.

The topics and practical applications taught in this option also open up the scope of our specialized fields to wider cross-disciplinary



## ***OPTIONAL COURSES***

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Students complea87





## Course prerequisites

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The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering for that CU.

These activities are also identified **in the detailed programme**: their title is followed by a yellow square.

### Prerequisites and student's annual programme

As the prerequisite is for CU registration purposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.
- transform a prerequisite into a corequisite if the student is in the final year of a degree course.



<a href="#">Bachelor in Modern Languages and Literatures : General (St-Louis Bruxelles)</a>	
<a href="#">Bachelor in French and Romance Languages and Literatures : General (Louvain-la-Neuve)</a>	Direct access
<a href="#">Bachelor in French and Romance Languages and Letters (St-Louis Bruxelles)</a>	
<a href="#">Bachelor in Ancient and Modern Languages and Literatures (Louvain-la-Neuve)</a>	Direct access
<a href="#">Bachelor in Translation and Interpreting (St-Louis Bruxelles)</a>	Access with additional training
<a href="#">Bachelor in Translation and Interpreting [Filière en communication interculturelle] (St-Louis Bruxelles)</a>	

BA - assistant(e) en psychologie - crédits supplémentaires entre 45 et 60

BA en logopédie - crédits supplémentaires entre 45 et 60

## Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
<b>"Licenciés"</b>			
<b>Masters</b>			
Master [120] in Linguistics, second focus		Direct access	At the end of Master 120, each focus of the <a href="#">Master [120] in Linguistics</a> can be obtained in a new programme of 30 credits.  For the focus in Natural Language Processing, supplementary classes can be added to the student's program according to his educational background.
<a href="#">Master [60] in Modern Languages and Literatures : German, Dutch and English</a> <a href="#">Master [120] in Modern Languages and Literatures : German, Dutch and English</a> <a href="#">Master [60] in Modern Languages and Literatures : General</a> <a href="#">Master [120] in Modern Languages and Literatures : General</a> <a href="#">Master [60] in French and Romance Languages and Literatures : General</a> <a href="#">Master [120] in French and Romance Languages and Literatures : General</a> <a href="#">Master [60] in Ancient and Modern Languages and Literatures</a> <a href="#">Master [120] in Ancient and Modern Languages and Literatures</a>		Direct access	Programme established on the basis of the student's educational background (consult <a href="#">Admission and Enrolment Procedures for general registration</a> )  Taking into account the student's educational background will allow a maximum of 60 credits to be exempted.
<a href="#">Master [120] in Computer Science and Engineering</a> <a href="#">Master [120] in Computer Science</a>		Access with additional training	Maximum 30 credits of <a href="#">supplementary classes</a> integrated into the Master's programme  Programme established on the basis of the student's educational background (consult <a href="#">Admission and Enrolment Procedures for general registration</a> )
Other Belgian Master		<a href="#">Access based on application</a>	Programme established on the basis of the student's educational background (consult <a href="#">Admission and Enrolment Procedures for general registration</a> )
Foreign Masters		<a href="#">Access based on application</a>	All candidates must ensure that they meet the specific access requirements. In case of admission, maximum 60 credits of supplementary classes integrated into the Master's programme (consult Acces on the file).

## Holders of a non-University 2nd cycle degree

Only applicable to graduates of higher education institutions of the French Community of Belgium

### 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](#).

Candidates who do not fulfil the abovementioned admission requirements, but who have duly attested significant experience relevant to the field of study in question, may apply for admission to the programme on the basis of an individualised admission procedure.



## Teaching method

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The core study of the programme en the LAMUSO focus are bilingual. Students are offered an alternative in French or English for each course. The options and optional courses are multilingual (courses are offered in French, English, Dutch, German and Spanish).

In general, the offer of courses and seminars is both varied and specific.

Specialised focuses favour teaching with a more immediate professional anchorage through courses, seminars and internships. A close relationship between the dissertation, the internship and the seminars is favoured.

## Evaluation

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*The evaluation methods comply with the*

## Possible trainings at the end of the programme

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Upon successful completion of the [Master \[120\] in Linguistics](#), graduates may:

1. follow another focus of the same Master's programme;
2. enrol in another master's programme (60, 120 or advanced master);
3. access the doctoral training;
4. do a postgraduate internship and/or prepare their socio-professional integration.

### 1. Other focus of the same Master's programme

Each focus of the [Master \[120\] in Linguistics](#) can be achieved through a programme of 30 credits.

### 2. Other master's programmes (60, 120 or advance master)

Other Master's programmes of the Faculty could be accessible, directly or through supplementary classes. For more information, please read the masters' admission requirements.

List of masters organised by the Faculty of Philosophy, Arts and Letters: <https://uclouvain.be/fr/facultes/fial/infomaster.html>

Other Master's programmes of UCLouvain are widely accessible, either directly or through supplementary classes, to UCLouvain graduates. For example :

- [Master \[120\] in Public Administration](#)
- [Master \[60\] in Management \(shift schedule\)](#)
- [Master \[120\] in Population and Development Studies](#)

The [Master \[120\] in Linguistics](#) gives direct access to the following Advanced Master's programmes:

- [Advanced Master in Gender Studies](#)
- [Advanced Master in Visual Cultures](#)
- [Interdisciplinary Advanced Master in Science and Management of the Environment and Sustainable Development](#)

### 3. Doctoral training

Further information: <https://uclouvain.be/fr/facultes/fial/doctorats.html>

### 4. Postgraduate internship and socio-professional integration

Students have the opportunity, during their master's programme or after graduation, to prepare their socio-professional integration with the qualified services of the Faculty and of UCLouvain. It is also possible for them to complete their training with a postgraduate internship in Belgium or abroad. In some cases, procedural steps must be undertaken during the master's programme.

- Further information on postgraduate internships: <https://uclouvain.be/fr/facultes/fial/stage-apres-diplomation.html>
- Further information on the Faculty's Employment Service: <https://uclouvain.be/fr/facultes/fial/service-emploi.html>
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- President: [Marie-Catherine de Marneffe](#)
- Secretary: [Ferran Suner Munoz](#)
- 3rd member of the small panel: [Liesbeth Degand](#)

Useful Contact(s)

- For further information: [info-fial@uclouvain.be](mailto:info-fial@uclouvain.be)

