



## 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, etc.);

#### Your programme

This Master's degree offers you

- training which combines linguistic theory and applied linguistics;
- wide interdisciplinary range (IT, sociology, psycholinguistics, etc.);
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## LING2M - Teaching profile

### Learning outcomes

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.
2. Demonstrate a specialised mastery of the methodological linguistic tools, oral and written data collection and analysis methods and an ability to employ them in a relevant and critical way in order to understand the complexities of a linguistic phenomenon.
  - 2.1. Select appropriate methodological tools for different types of linguistic research.

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 simplifying the inputs English texts and incorporating linguistic issues, adapting to the context of the context.



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⌘ LGERM2823	English Linguistics: Lexicology	Gaëtanelle Gilquin (compensates Sylvie De Cock)	EN [q!] [22.5h] [5 Credits] 🌐	x	x

## 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			
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**○ Sociolinguistics**

*One of the following courses:*

⌘ LGERM2723 [English linguistics: sociolinguistics](#)

**OPTIONS [40.0]**

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 optiona 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** in English, French, German, Spanish or Dutch is required to follow the courses given in these languages.

- > [Option in Contrastive Linguistics](#) [ en-prog-2024-ling2m-lling902o ]
- > [Option in Computational Linguistics and Computer Science](#) [ en-prog-2024-ling2m-lling903o ]
- > [Option in English linguistics: second language acquisition and language learning](#) [ en-prog-2024-ling2m-lling904o ]
- > [Option in French Linguistics](#) [ en-prog-2024-ling2m-lling905o ]
- > [Option in Nederlandse taalkunde](#) [ en-prog-2024-ling2m-lling906o ]
- > [Option in German Linguistics](#) [ en-prog-2024-ling2m-lling907o ]
- > [Option in Spanish Linguistics](#) [ en-prog-2024-ling2m-lling908o ]
- > [Option in Translation studies](#) [ en-prog-2024-ling2m-lling909o ]
- > [Interdisciplinary Program in Entrepreneurship - INEO](#) [ en-prog-2024-ling2m-lling901o ]
- > [Option in Digital Culture and Ethics](#) [ en-prog-2024-ling2m-llial800o ]
- > [Optional courses](#) [ en-prog-2024-ling2m-lling900o ]

**OPTION IN CONTRASTIVE LINGUISTICS**

Recommended as a complement to the LAMUSO professional focus.

- Mandatory
- ✘ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
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- △ ⊕ Not offered in 2024-2025 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
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- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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


Year

1 2

**OPTION IN COMPUTATIONAL LINGUISTICS AND COMPUTER SCIENCE**

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

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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
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## OPTION IN NEDERLANDSE TAALKUNDE

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- Mandatory
  - ✘ Optional
  - △
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## OPTION IN SPANISH LINGUISTICS

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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



**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

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[FR]

***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







## Supplementary classes

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## 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.

For more information, please consult the [Academic Regulations and Procedures](#).

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### # Prerequisites list

**LINFO1104** "Concepts des langages de programmation" has prerequisite(s) LINFO1101

- LINFO1101 - [Introduction to programming](#)

## The programme's courses and learning outcomes

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For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.



Bachelor in Modern Languages and Literatures : General (St-Louis Bruxelles)

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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.

For more information on the procedure for admission by validation of learning from experience (VAE) in the Faculty of Philosophy, Arts and Letters: <https://uclouvain.be/fr/facultes/fial/valorisation-des-acquis-de-l-experience-vae.html>.

## 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



- 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)

