



## BBMC2M - Introduction

### Introduction

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#### Introduction

*From the academic year 2020-2021, this master's degree will be taught mainly in English. Nevertheless, access to the teaching focus requires good mastery of French.*

The Master's degree develops the knowledge necessary for an experimental approach to any question relating to the structure, functioning and exploitation for biotechnological purposes of living cells and their molecular components.

It forms

- biochemists, capable of understanding the structure, functioning and evolution of macromolecules that form the basis of the structure, functioning and programming of living organisms;
- Molecular and cellular biologists who understand how cells interact with each other, how they grow, adapt, differentiate and die.

#### Your profile

You

- wish to develop know-how and technical and experimental skills in biochemistry and molecular and cellular biology;
- are interested in living cells, their molecular components and the field of biotechnology;
- wish to contribute to research in biochemistry, molecular and cellular biology;
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## LIST OF FOCUSES

The research focus is fully taught in English.

The professional focus is accessible to English-speaking students but they will have to choose their courses carefully because some are taught in French.

The teaching focus aims to teach in secondary education in the French Community of Belgium, therefore it is accessible only to students who have a good knowledge of French.

- > [Research Focus](#) [ en-prog-2024-bbmc2m-lbbmc200a ]
- > [Teaching Focus](#) [ en-prog-2024-bbmc2m-lbbmc200d ]
- > [Professional Focus : Biotechnology](#) [ en-prog-2024-bbmc2m-lbbmc200s ]

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## OPTIONS

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- > [Elective courses](#) [ en-prog-2024-bbmc2m-lbbmc300o ]
  - > [INEO, Interdisciplinary training in entrepreneurship](#) [ en-prog-2024-bbmc2m-lboe955o ]

## ELECTIVE COURSES [36.0]

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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
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				Year	
				1	2
⌘ LBBMC2206	Internship - Part 2	Bernard Hallet René Rezsöházy	EN [q2] [10h+10h] [10 Credits] 🌐	x	x
⌘ LBRTE2201	Human and environmental toxicology	Cathy Debier	EN [q1] [30h+7.5h] [4 Credits] 🌐 > <i>French-friendly</i>	x	x
⌘ LBBMC2204					

				Year	
				1	2
⌘ LAGRE2221	Learning and teaching with new technologies	Sandrine Decamps	FB [q1] [15h+15h] [2 Credits] 	x	x
⌘ LMAT2330	Seminar on the teaching of mathematics	Enrico Vitale	FB [q1+q2] [15h+30h] [4 Credits] 	x	x

⌘ Optional courses :

**INEO, INTERDISCIPLINARY TRAINING IN ENTREPRENEURSHIP**

- 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...)

*This option lasts 2 years and is integrated into more than 30 Masters programs in 9 faculties/schools of the UCLouvain. The choice of this option implies the realization of an interfaculty dissertation (in team) on a business creation project. Access is limited to students selected on the basis of a portfolio. More info. via <https://uclouvain.be/en/study/ineo>*

*Admission to this CPME option is subject to selection, please submit your application in due time <https://uclouvain.be/fr/etudier/ineo/admission.html>*

*Courses in this option cannot be taken individually outside of the option.*

*From 20 to 25 credit(s)*

Year

1 2

**o Content:**

⊗ LINEO2021

• **Additional courses**

## Course prerequisites

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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

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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.





être adapté en fonction de la  
formation antérieure.

The first step in the procedure is to submit a file online ( see <https://uclouvain.be/en/study/inscriptions/futurs-etudiants.html>).  
Students who wish to be admitted on the basis of a dossier are invited to consult the [criteria for the evaluation of application](#).

## **Admission and Enrolment Procedures for general registration**

## Specific professional rules

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Successful completion of the master's course with **teaching focus** leads to the award of the master's degree with teaching focus and the title of secondary school education specialist.

The [Réforme des Titres et Fonctions](#) ("Titles and Functions Reform"), in force since 1 September 2016, is intended to harmonise the titles, functions and pay scales of basic and secondary education professionals in French Community of Belgium networks.

It also aims to guarantee the priority of preferred titles over minimum titles and to establish a regime for titles in short supply.

AESS holders can learn which functions they can carry out and the pay scales from which they can benefit by [clicking here](#).

## Contacts

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### Curriculum Management

Entity

Structure entity

Denomination

Faculty

Sector

Acronym

Postal address

SST/SC/BIOL

[\(BIOL\)](#)

Faculty of Science [\(SC\)](#)

Sciences and Technology [\(SST\)](#)

BIOL

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