

**At Louvain-la-Neuve - 60 credits - 1 year - Day schedule - In French**

Dissertation/Graduation Project : **YES** - Internship : **NO**

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

Activities on other sites : **NO**

Main study domain : **Sciences**

Organized by: **Faculty of Science (SC)**

Programme acronym: **BIOL2M1** - Francophone Certification Framework: 7

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## BIOL2M1 - Introduction

### Introduction

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#### Introduction

This master's degree aims to train "generalist" biologists capable of understanding the scientific foundations of the functioning of living organisms.

#### Your future job

Biologists apply their knowledge and know-how, which are very versatile, in very different sectors: in scientific, fundamental or applied research in research institutes or private laboratories, in expertise and resource management in the private or public sector, in education, training and communication.

#### Your programme

The knowledge to be acquired is at two levels of complexity of living organisms: "biochemistry, molecular and cellular biology" on the one hand, and "biology of organisms and ecology" on the other hand, identified by two options. The programme consists mainly of activities borrowed from the first year of the Masters (120 credits) of the same name.

You can take this program entirely in English if you take the option "biochemistry, molecular and cellular biology".



## Detailed programme by subject

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### CORE COURSES [20.0]

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● Mandatory

✘ Optional

△ Not of 1844 Programme by subject

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## OPTIONS

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The option in Biochemistry, Molecular and Cellular Biology is fully taught in English.

The option in Biology of Organisms and Ecology is mainly taught in French.

The student chooses an option and completes their program with elective courses.

> [Option in Biochemistry, Molecular and Cellular Biology](#) [ en-prog-2024-biol2m1-lbiol210o ]

> [Option in biology of organisms and ecology](#) [ en-prog-2024-biol2m1-lbiol211o ]

> [Cours au choix](#) [ en-prog-2024-biol2m1-lbiol212o ]


## OPTION IN BIOCHEMISTRY, MOLECULAR AND CELLULAR BIOLOGY [24.0]

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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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⌘ LBBMC2107	Microbial cellular physiology	Corentin Claeys Bouuaert Stephan Declerck Benoît Desguin Pascal Hois Géraldine Laloux Pierre Morsomme	EN [q2] [36h+18h] [5 Credits] 🌐
⌘ LBBMC2108	Molecular genetics and plant genomics	Henri Batoko François Chaumont Xavier Draye	EN [q2] [36h+18h] [5 Credits] 🌐
⌘ LBBMC2109	Plant cell physiology	Henri Batoko François Chaumont Charles Hachez	EN [q2] [36h+18h] [5 Credits] 🌐
⌘ LBBMC2110	Animal and human molecular genetics and genomics	Françoise Gofflot Nisha Limaye René Rezzohazy	EN [q2] [36h+18h] [5 Credits] 🌐
⌘ LBBMC2111	Animal and human cellular physiology	Frédéric Clotman Patrick Dumont	EN [q2] [36h+18h] [5 Credits] 🌐



○ ESBOE2123	Freshwater Biodiversity (UNamur)		PK [q1] [12h+24h] [3 Credits] 
○ ESBOE2142	Ecology of natural and disturbed aquatic environments (UNamur)		



## COURS AU CHOIX

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

### o Content:

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#### ⊗ Autres cours au choix

L'étudiant-e peut compléter son programme avec des UE choisies dans la liste des cours du master 120 BOE et du master 120 BBMC à l'exception des cours des finalités didactiques, de LBOE2197, LBOE2297, LBOE2240, LBOE2241, LBOE2260, LBOE2261, LBOE2292, LBBMC2103, LBBMC2203, LBBMC2205, LBBMC2215, LBBMC2206, LBBMC2997, LBBMC2998 et LBBMC2201

#### ⊗ Activités de mise à niveau

l'étudiant-e peut choisir, en accord avec le conseiller aux études, jusqu'à 6 crédits d'activités de mise à niveau parmi les cours du bachelier et de l'approfondissement en biologie.

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## Supplementary classes

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**To access this Master, students must have a good command of certain subjects. If this is not the case, in the first annual block of their Masters programme, students must take supplementary classes chosen by the faculty to satisfy course prerequisites.**

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### o Enseignements supplémentaires

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## 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

## BIOL2M1 - 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

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- > [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](#)

#### UCLouvain Bachelors

### Specific access requirements

In addition to the access conditions described below, candidates will have to provide proof of a sufficient command of the French language (level B1 of the CEFR, Common European Framework of Reference for Languages).

Students who wish to be admitted on the basis of a dossier (see tables below) are invited to consult the [criteria for the evaluation of application](#).

### University Bachelors

Diploma	Special Requirements	Access	Remarks
<b>UCLouvain Bachelors</b>			
<a href="#">Bachelor in Biology</a>	<b>UCLouvain Bachelors</b>		
<a href="#">Bachelor in Chemistry</a>	Si l'étudiant a suivi la Titre inconnu:Iminbio	Direct access	In some cases, the UCLouvain Enrolment Office, after reviewing their online enrolment or re,

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

Diploma	Access	Remarks
BA - technologue de laboratoire médical - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation agro-industries et biotechnologies - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation agronomie des régions chaudes - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation environnement - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation forêt et nature - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation systèmes alimentaires durables et locaux - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation techniques et gestion agricoles - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation techniques et gestion horticoles - crédits supplémentaires entre 45 et 60 BA en agronomie, orientation technologie animalière - crédits supplémentaires entre 45 et 60 BA en chimie, orientation biochimie - crédits supplémentaires entre 45 et 60 BA en chimie, orientation biotechnologie - crédits supplémentaires entre 45 et 60 BA en chimie, orientation chimie appliquée - crédits supplémentaires entre 45 et 60 BA en chimie, orientation environnement - crédits supplémentaires entre 45 et 60	Les enseignements supplémentaires éventuels peuvent être consultés dans <a href="#">le module complémentaire</a> .	Type court

## Holders of a 2nd cycle University degree

### Diploma

## Teaching method

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The teaching strategy takes its inspiration from the idea of "taking responsibility for one's own learning". In the core subjects, students have a choice between a series of activities in human sciences and may choose between many elective subjects. Learning is for the most part centred on individual work (e.g. reading, consultation of databases and bibliographic references, field and laboratory work).

## Evaluation

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***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 will mainly be assessed on the basis of individual work (e.g. reading, consultation of databases and bibliographic references, writing monographs and reports, presentation of seminars, dissertation and field work). As far as possible, there will be continuous

