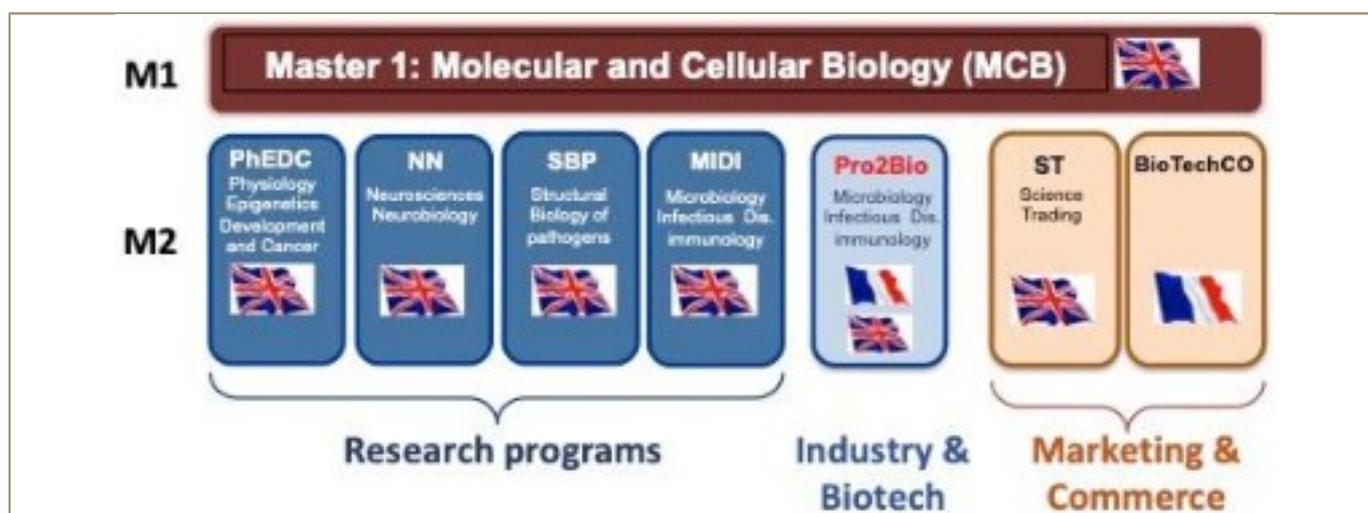


## Parcours Molecular and cellular biology 1re année

### Présentation



The Master of Molecular & Cellular Biology welcomes students with a bachelor of Science from France or any other place of the world who want to obtain a very high level of training in Cellular and Molecular Biology. All courses include lectures and tutorials linked to related research developed in Grenoble. In addition to a solid knowledge in many areas of biology, you will develop skills in project management, analysis of experimental data and oral & written presentation. You will also naturally progress in English, an indispensable language for any kind of professional career. The Master 1 program includes a 2-months internship which will give you a strong experience in the professional world.

The Master 1 MCB opens to the following M2 training program to start a scientific career in academic labs or R&D in private companies.

- Microbiology, infectious diseases and immunology program
- Structural biology of pathogens program
- Neurosciences, neurobiology program
- Physiology, epigenetics, differentiation and cancer program
- Pro2Bio program (taught partly in French and partly in English)

It opens also to sales-oriented M2 program

- Biologie et techniques de commercialisation program (taught in French)
- Science trading program (International program)

For a general view of the Master of Biology, please watch the following video :

<https://www.youtube.com/watch?v=5ISHb9rNBL8>

## Admission

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### Conditions d'admission

First year of the master's degree in Biology (Molecular and cellular biology program) : if you have completed a bachelor's degree in Sciences or are enrolled in the final semester of a bachelor's program in Sciences in France, you are eligible to apply for the first year of the master's degree in Biology

Public continuing education : You are in charge of continuing education:

- if you resume your studies after 2 years of interruption of studies
- or if you followed training under the continuous training regime one of the previous 2 years
- or if you are an employee, job seeker, self-employed

If you do not have the diploma required to integrate the training, you can undertake a [validation of personal and professional achievements \(VAPP\)](#)

### Candidature

Master 1 Molecular and cellular biology : from 26th of february to 24 of march 2024 with [monmaster.gouv.fr](http://monmaster.gouv.fr)

You want to apply and sign up for a course master ? Please be aware that the procedure differs depending on the diploma you want to take, the diploma you have already obtained and, for foreign students, your place of residence. Let us be your guide – simply follow this [link](#)

### Droits de scolarité

UGA registration fees : 243 € + 100 € CVEC

### Infos pratiques :

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- > Composante : UFR Chimie-Biologie
- > Niveau : Bac +4
- > Durée : 1 an
- > Type de formation : Formation initiale / continue
- > Lieu : Grenoble - Domaine universitaire

## Programme

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The Master Molecular & Cellular of Biology is entirely taught in English and welcomes students with a bachelor of science from France or any other place of the world.

### Master 1re année

#### Semestre 7

<b>UE From cells to viruses : molecular genetics and epigenetics controls</b>	6 ECTS
<b>UE Chemistry and Biochemistry</b>	6 ECTS
<b>UE Driving Experimentation in Biology</b>	18 ECTS

#### Semestre 8

<b>UE Laboratory internship (part I)</b>	6 ECTS
3 option(s) au choix parmi 3	
<b>UE Infectious Diseases (part I)</b>	6 ECTS
<b>UE Drug action and Drug Design</b>	6 ECTS
<b>UE Immunobiology</b>	6 ECTS
<b>UE Macromolecular Engineering</b>	6 ECTS
<b>UE Bacteriology</b>	6 ECTS
<b>UE Development and Differentiation</b>	6 ECTS
<b>UE Metabolic Physiology and Pathophysiology</b>	6 ECTS
<b>UE How to become a cancer cell</b>	6 ECTS
<b>UE Molecular Bases of the Normal and Pathological Memory</b>	6 ECTS

<b>UE Neurological Bases of the Emotions and Motivation</b>	6 ECTS
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<b>UE Functional anatomy of the central nervous system</b>	6 ECTS
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1 option(s) au choix parmi 1	
<b>UE Communication Tools</b>	3 ECTS
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<b>UE Connaissance de l'entreprise et des métiers</b>	3 ECTS
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1 option(s) au choix parmi 1	
<b>UE English</b>	3 ECTS
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<b>UE ETC LANGUES</b>	3 ECTS
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