

Portal Molecular and cellular biology 1st year

Master in Biology



Duration
1 year



Component
UFR Chimie-
Biologie



**Language(s) of
instruction**
English

Presentation

The first year of the master's degree, *i.e.* the program named Molecular and cellular biology (MCB) opens to the 7 following master 2 programs :

- Immunology, microbiology, infectious diseases (IMID) program
- Integrative structural biology (ISB) program
- Neurobiology - neurosciences (NN) program
- Physiology, epigenetics, differentiation and cancer (PhEDC) program
- Biologie et techniques de commercialisation (BioTechCo) program (taught in French)
- Lab Science Trading (LST) program
- Pro2Bio program (taught partly in French and partly in English)

International education : Internationally-oriented programmes


Admission

Access conditions

First year master's degree : If you have completed a bachelor's degree in Science or are enrolled in the final semester of a bachelor's program in Science, you are eligible to apply for 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 / Application

2 application campaigns are organized :

- Campaign 1: Campaign opening on e-candidate: From 02 to 20 March 2020 included
- Campaign 3 : Open campaign on e-candidate: From April 27 to May 15, 2020 included

Candidates from a foreign University, please see the admission requirements on the following website :  <http://https://www.univ-grenoble-alpes.fr/courses/applications-and-enrollment/>

An interview will be proposed to the applicants to the first or second year of the master's degree in order to test their motivation.

Fees

- Tuition fees 2019-2020 : 243 €

- CVEC fees : 91 €

Useful info

Contacts

Program director

Claire Vourc'h

✉ Claire.Vourch@univ-grenoble-alpes.fr

Administrative contact

Chemistry-Biology Course Services

✉ ufrchimiebiologie-formation@univ-grenoble-alpes.fr

Course location(s) - City

📍 Grenoble

Campus

🏠 Grenoble - University campus

Program

Master 1st year

Semester 7

	Nature	CM	TD	TP	Crédits
UE Experimental approach in biology	Teaching Unit (UE)		3h	150h	18 credits
UE Cell compartmentalization and implications in pathology	Teaching Unit (UE)	43,5h	6h		6 credits
UE Molecular genetics and epigenetics	Teaching Unit (UE)	28,5h	12h	6h	6 credits
UE Chemistry and cellular biochemistry	Teaching Unit (UE)	30h	20h		6 credits

Semester 8

	Nature	CM	TD	TP	Crédits
UE Laboratory internship (part I)	Teaching Unit (UE)				6 credits
UE Communication tools	Teaching Unit (UE)	3h	21h		3 credits
UE Development and differentiation	Teaching Unit (UE)	30h	20h		6 credits
UE Metabolic physiology and pathophysiology	Teaching Unit (UE)	30h	20h		6 credits
UE How to become a cancer cell	Teaching Unit (UE)	30h	20h		6 credits
UE Molecular and cellular imaging (microscopy)	Teaching Unit (UE)	30h	2h	18h	6 credits
UE Molecular bases of the normal and pathological memory	Teaching Unit (UE)	45h	12h		6 credits
UE Behaviors of biological macromolecules	Teaching Unit (UE)	20h	10h	20h	6 credits
UE Neurological bases of the behaviors	Teaching Unit (UE)	36h	6h	4h	6 credits

UE Drug action and drug design	Teaching Unit (UE)	25h	15h	10h	6 credits
UE Engineering of macromolecules	Teaching Unit (UE)	25h	15h	10h	6 credits
UE Immunobiology	Teaching Unit (UE)	30h	20h		6 credits
UE Metals in biology	Teaching Unit (UE)	30h	20h		6 credits
UE Microbiology	Teaching Unit (UE)	18h	15h	8h	6 credits
UE Infectious diseases (part I)	Teaching Unit (UE)	34,5h	15h		6 credits
UE Biostatistics, bioinformatics and modeling (part I)	Teaching Unit (UE)	16,5h	16,5h	16,5h	6 credits
UE Biotechnology, products and processes	Teaching Unit (UE)	25h	25h		6 credits
UE Functional anatomy of the central nervous system	Teaching Unit (UE)	35h	5h		6 credits
UE English course	Teaching Unit (UE)		24h		3 credits
UE Transverse teaching of choice	Teaching Unit (UE)				3 credits