UNI FR

Welcome to the Master studies in Biology



UNIVERSITÉ DE FRIBOURG UNIVERSITÄT FREIBURG



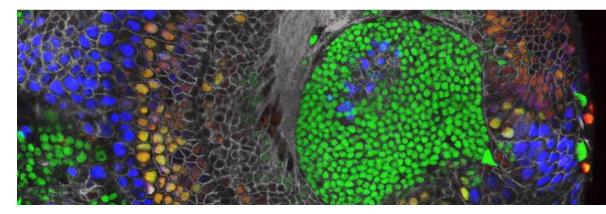
Biology Master programs at UniFr

Research MSc in Molecular Life and Health Sciences, 120 ECTS Master thesis 60 ECTS

Teaching MSc in Molecular Life and Health Sciences, 90 ECTS Master thesis 45 ECTS

Research MSc in Environmental Biology, 120 ECTS
Master thesis 60 ECTS

Teaching MSc in Environmental Biology, 90 ECTS Master thesis 45 ECTS







Master in Molecular Life and Health Sciences

Molecular mechanisms govern the fate and the function of every cell, from archaea living in the remotest trench in the ocean, to the highly connected cells of our brain. Interestingly, cells of various origins share common genes, and therefore use similar proteins and molecular pathways. These can be explored in a variety of model organisms and cultured cells, which you will discover in this exciting Master programme that bridges fundamental molecular science and potential applications to understanding human health and disease.

The Department of Biology of the Faculty of Science and Medicine offers a multidisciplinary study programme leading to the degree of

Master of Science in Molecular Life and Health Sciences

with four research options.

The programme consists of **120 ECTS credits** and corresponds to **24 months of full-time study**.

Students aiming at becoming **high school teachers** and having to acquire 30 additional ECTS credits in a different study domain, can choose the **option "Teaching"** consisting of 90 ECTS (18 months).

Available options

- 1. Developmental Biology and Regeneration | 120 ECTS
- 2. Neurobiology | 120 ECTS
- 3. Biochemistry and Cell Biology | 120 ECTS
- 4. Marine Biology | 120 ECTS
- 5. Teaching | 90 ECTS

Degree Conferred

Master of Science in Molecular Life and Health Sciences

Language(s) of Study English

Programme Structure

120 ECTS credits 4 semesters full-time

or

90 ECTS credits 3 semesters full-time

Programme Start

September or February

Student Advisor

Dr Alessandro Puoti bio-scimed@unifr.ch

Additional Information

→ Regulations

Apply for Admission \rightarrow





Master in Environmental Biology

Major environmental problems, in particular global change and its consequences for biodiversity and ecosystem functioning, are intimately interconnected and pose a threat to our future. Solving these problems requires an integrative and synergistic approach in terms of both fundamental and applied research.

The Department of Biology of the Faculty of Science and Medicine offers a multidisciplinary Master of Environmental Biology. The program ranges from fundamental concepts in ecology and evolution, molecular aspects of plant and microbial sciences to applied solutions for environmental policies and sustainable development. It provides students with state-of-the-art training and background in conceptual, technical, and applied aspects of environmental biology, from genes to ecosystems.

Master students are integrated into active research teams and can thus gain extensive experience in basic and applied academic research in environmental biology. Students will have the opportunity to choose between four options. English is the official language for all activities.

Available options

- 1. Ecology and Evolution | 120 ECTS
- 2. Plant and Microbial Sciences | 120 ECTS
- 3. Applied Environmental Biology | 120 ECTS
- 4. Teaching | 90 ECTS

Degree Conferred

Master of Science in Environmental Biology

Language(s) of Study English

Programme Structure

120 ECTS credits 4 semesters

or

90 ECTS credits 3 semesters full-time

Programme Start

September or February

Student Advisor

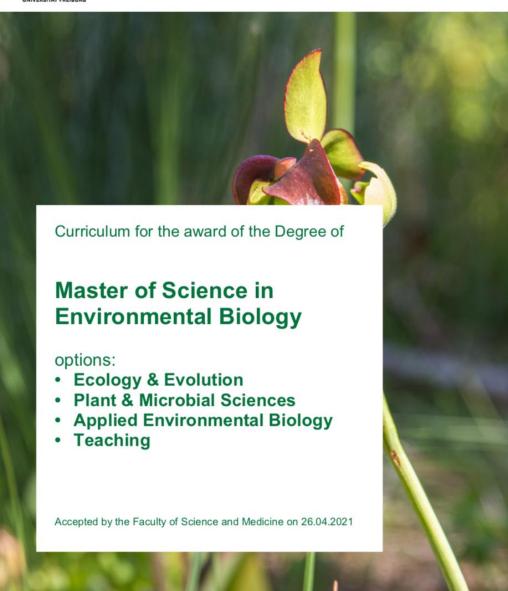
Dr Alessandro Puoti

bio-scimed@unifr.ch



Study plans/Curricula





For every option:

Compulsory courses*

Recommended / Elective courses

Thesis related activities

Master thesis

* Check table the end of the study plan

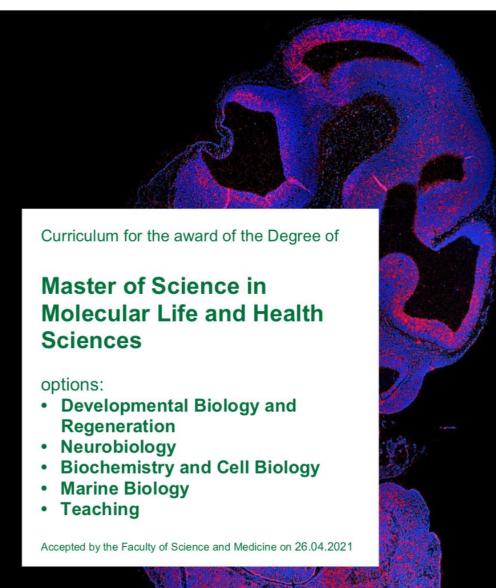
https://www.unifr.ch/scimed/en/plans

37.5 / 50 ECTS 7.5 / 10 ECTS

45 / 60 ECTS

Study plans/Curricula





For every option:

- Compulsory courses*
- Recommended / Elective courses
- Thesis related activities
- Master thesis

* Check table the end of the study plan

https://www.unifr.ch/scimed/en/plans

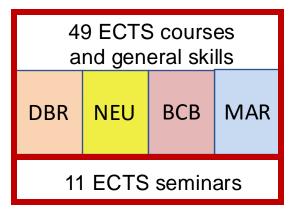
36.5 / 49 ECTS 8 / 11 ECTS

45 / 60 ECTS

Structure of Biology MSc Programs

MSc in **Molecular Life and Health Sciences**

4 options 120 ECTS



60 ECTS Master thesis MSc in **Molecular Life** and Health Sciences

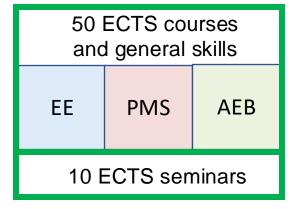
Teaching 90 ECTS

36.5 ECTS courses and general skills

8.5 ECTS seminars

45 ECTS Master thesis MSc in **Environmental Biology**

3 options 120 ECTS



60 ECTS Master thesis MSc in **Environmental Biology**

Teaching 90 ECTS

37.5 ECTS courses and general skills

7.5 ECTS seminars

45 ECTS Master thesis

EE: Ecology and Evolution

PMS: Plant and Microbial Sciences

AEB: Applied Environmental Biology

DBR: Developmental Biology and Regeneration

NEU: Neurobiology

BCB: Biochemistry and Cell Biology

MAR: Marine Biology

General skills

SBL.00504	Basics in biostatistics (if necessary)	(Fall, 1 ECTS)
SBL.30001	Introduction to R	(Fall, 2 ECTS)
SBL.00427	Visual communication of data	(Spring, 1 ECTS)
SBL.20005	Critical reading	(Fall/Spring, 3 ECTS)
SBL.00410	Scientific writing	(Fall, 3 ECTS)
SBL.20001	Biostatistics I	(Fall, 3 ECTS)
SBL.20002	Biostatistics II	(Fall, 3 ECTS)

Technical skills

SBL.00125	Light and fluorescence microscopy	(Fall, 3 ECTS)
SBL.20003	Methods in plant pathogen interactions	(Fall, 2 ECTS)
SBL.20004	Introduction to metabolomics	(Spring, 2 ECTS)
SBL.00451	Introduction to mass spectrometry and proteomics	(Fall, 1 ECTS)
SBL.00452	Advanced quantitative proteomics	(Spring 2 ECTS)
SBL.06002	Classical models in biology (with exercices)	(Fall, 3 ECTS)
SBC.04203	Genotyping	(Fall, 2.5 ECTS)
SBC.07110	Introduction to UNIX and BASH	(Fall, 2.5 ECTS)
SBC.07107	Bioinformatics (practial + in silico)	(Fall, 3 ECTS)
SBL.05001/2	Master thesis	(45 / 60 ECTS)

MSc in Molecular Life and Health Sciences AUTUMN SEMESTER 2024

Options Developmental Biology and Regeneration; Neurobiology; Biochemistry and Cell Biology; Marine Biology; Teaching

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.15 - 9.00	SBL.30001 (w.5-6	SBL.00115 (w. 5-8)	SBL.30001 (w.5-6 WD)	SBC.04202 (w.9-14)	SBL.00125
9.15 - 10.00	SBC.07110 (w.1-2 WD)	SBC.07110 (w.1-2 SBL.00114 (w.1-4) SBC.07110 (w.1-2 WD) SBC.07107	(11)	(w.11-12 WD)	
10.15 - 11.00	SBC 07107	SBL.00115 (W.5-8) SBL.00130 (W.9-13)	SBL.00125 (w.11-12 WD)	SBL.20001 or SBL.20002 (w. 6-14)	SBL.00453 (w.2-10)
11.15 - 12.00	(w.11-12 WD)	SBL.00431 SBL.00432	HPC (w. 3-4 WD)		SBL.00125 (w.11-12 WD)
12.00 - 13.15			SME.05001		
13.15 - 14.00	SBL.10105 (except w. 1, 2, 11, 12)	SBL.00117			
14.15 - 15.00		3BL:00117		SBL.30001 (w.5-6) SBL.00451 (w.13)	SBL.30001 (w.5-6) SBL.00451 (w.13)
15.15 - 16.00		SBL.00119		Reserved for topical courses * SBL.00411	Reserved for topical courses * SBL.00411
16.15 - 17.00		351.00113		SBL.00411 SBL.00412 SBL.00414	SBL.00412 SBL.00414
17.15 - 18.00				SBL.10006 SBL.10008	SBL.10006 SBL.10008
18.15 - 19.00					

^{*}Topical courses : refer to moodle page SBL.04000 for details

w: week of the semester. If not specified, whole semester. WD: whole day

SBC.04203 block course: schedule will be arranged with the participants

Block courses SBL.00118; SBL.10009; SBL.30004 are not shown in this weekly schedule

HPC: Introduction to High-Perfomance Computing (UniBe) please see https://www.philnat.unibe.ch/

given on week 3 and week 4

This course is also named "HPC and cloud computing", code 46747 HS2023

Master in Environmental Biology - Autumn semester - Overview

	Block courses	Weekly courses	Block courses	Weekly courses	Weekly/Block courses	
	Monday	Tuesday	Wednesday	Thursday	Friday	
8h15 – 9h	Introduction to UNIX and BASH SBL.07110 Weeks 1 to 2 – whole day		Introduction to UNIX and BASH SBL.07110 Weeks 1 to 2 – whole day		Introduction to UNIX and BASH SBL.07110 Weeks 1 to 2 – afternoon	Legend: Obligatory courses for at
9h15 – 10h	Introduction to R SBL.30001 Weeks 5 to 6 – whole day	Scientific writing SBL.00410 (9h15 to 11h – weeks 1, 2, and 14)	Introduction to R SBL.30001 Weeks 5 to 6 – whole day		Introduction to R SBL.30001 Weeks 5 to 6 – afternoon	least one options are in roman Recommended courses are in italic
10h15 – 11h		in alternance with Critical reading SBL.20005 (10h15 to 11h)		Biostatistics I - generalized linear models and mixed effects models SBL.20001 in alternance with	Principles of environmental ethics (advanced)	Colour: Research skills
11h15 – 12h		Seminars in Biology SBL.00431 & SBL.00432	Organization and annotation of Eukaryote genomes SBL.30004 Weeks 5 to 10 – whole day	Biostatistics II - multivariate analysis SBL.20002	SSE.00433	Scientific core courses Thesis related activities
12h15 – 13h	Bioinformatics (practical + in silico) SBC.07107 Weeks 8 to 10 – whole day		Bioinformatics (practical + in silico) SBC.07107 Weeks 8 to 10 – whole day		In vivo biochemistry: visualization of transport SBL.20039 Weeks 1 to 4 – 10h15 to 13h	In case of discrepancy with the official TimeTable the latter is authoritative
13h15 – 14h 14h15 – 15h				Global change SBL.20036 in alternance with Invasion biology SBL.20037	Basics in biostatistics SBL.00504 Weeks 1 to 10	Topical courses are not included (usually on Thursday and Friday
15h15 – 16h		Methods in plant pathogen interactions SBL.20003		Research Seminars in Environmental Biology SBL.20081 & SBL.20082		afternoon). See the corresponding Moodle page
16h15 – 17h	Light and fluorescence microscopy for Life Sciences SBL.00125 Weeks 11 to 12 – whole day		Light and fluorescence microscopy for Life Sciences SBL.00125 Weeks 11 to 12 – whole day		Light and fluorescence microscopy for Life Sciences SBL.00125 Week 11 – whole day	courses: Signalling and Transport SBL.00411
17h15 – 18h				Introduction to mass spectrometry and proteomics SBL.00451 Week 13 – afternoon	Introduction to mass spectrometry and proteomics SBL.00451 Week 13 – afternoon	HPC and cloud computing (recommended course) Weeks 3 to 4 UniBe

Lecture support

Moodle: https://moodle.unifr.ch/

SBL.00115 The RNA World [SA 2024] Enrolment options

SBL.00115 The RNA World [SA 2024]

The RNA World

The flow of genetic information goes from DNA to RNA, and from RNA to proteins. How could the first proteins be made if these are needed for transcription and translation? The hypothesis of the RNA world suggests that catalytic RNAs (ribozymes) may have preceded proteins. This lecture will briefly describe the origins of life and emphasize the importance of ribozymes, their mode of action and their roles in today's world. The following, and main part of the lecture covers the mechanism of RNAi interference, the importance of non coding RNAs and the implications of RNA technology.

Teacher: Alessandro Puoti

Self enrolment (Student)

Guests cannot access this course. Please log in.

Continue

Block courses and topical courses

Moodle page SBL.04000 (SA24-SP25)

You can also find the information for a specific course on

Timetable: https://www.unifr.ch/timetable/en/

This Moodle page has the purpose to coordinate block courses given during the semesters of the

MSc in Molecular Life and Health Sciences Master programme

MSc in Environmental Biology

Topical courses are given by external speakers on Thursday and Friday afternoon.

Block courses are given over several days, once every year or every second year.

For the organisers: Before planning your course, please check if the dates are not already taken. In general, we do not show the rooms on this moodle page. Please refer to the courses on GeFri/Timetable.

Title	Code	Responsible	Semester	Timing	Topical course
Signalling and transport	SBL.00411	Geisler	Autumn	2 afternoons	yes
Introduction to protein function and structure	SBL.00412	Falquet	Autumn	2 afternoons	yes
Cell fate and tissue regeneration	SBL.00414	Jazwinska	Autumn	2 afternoons	yes
Developmental biology of marine animal models (biennal)	SBL.10006	Sprecher	Autumn	2 afternoons	yes
Omics approaches in marine sciences (biennal)	SBL.10008	Sprecher	Autumn	2 afternoons	yes
Introduction to mass spectrometry and proteomics	SBL.00451	Dengjel	Autumn	2 afternoons	yes
Cell proliferation	SBL.00415	De Virgilio	Spring	2 afternoons	yes
Biological rhythms	SBL.00416	Albrecht	Spring	2 afternoons	yes
Microbial metabolism and genetics	SBL.00418	Reinhardt	Spring	2 afternoons	yes
Advanced imaging	SBL.00419	Egger	Spring	2 afternoons	yes
Oceanography and marine ecosystems (biennal)	SBL.00421	Sprecher	Spring	2 afternoons	yes
Polar biology (biennal)	SBL.10007	Sprecher	Spring	2 afternoons	yes
Altered carbohydrate metabolism in disease	SBL.10010	Dengjel	Spring	2 afternoons	yes
Advanced quantitative proteomics	SBL.00452	Dengjel	Spring	2 afternoons	yes
BeFri research colloquium in cell and developmental biology	SBL.00127	Egger	Spring	1 afternoon	no
BeFri research colloquium in cell and developmental biology II	SBL.00128	Egger	Spring	1 afternoon	no
Light and fluorescence microscopy	SBL.00125	Egger	Autumn	5 days, split	no
Established and emerging organisms for marine science	SBL.00126	Sprecher	Spring	10 days, block	no
BeFri research retreat in cell and developmental biology	SBL.00129	Egger	Spring	2 days, block	no
Advanced marine biology practical course	SBL.10009	Sprecher	Autumn	7 days, block	no

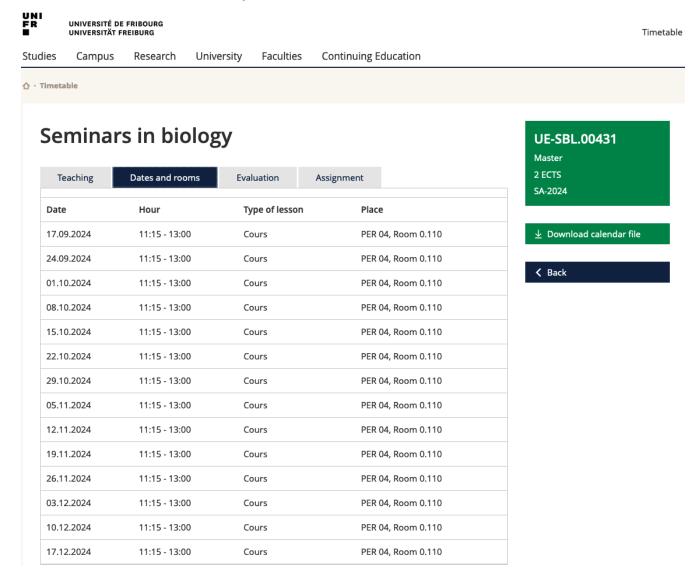
Location, dates and time of teaching units

Timetable: https://www.unifr.ch/timetable/en/

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udies Campus	Research	University	Faculties	Continuing Education			
· Timetable							
Course o	atalog	ue					
Teacher, Lesson,	code		MASTER SA-2024 UE-SBL.00431 Seminars in biology				
sbl.00431		50.711110		,			
Days and hours				:00 PER 04, Room 0.110			
Filter by day	Taculty of Science and Medicine, Biology						
Filter by time		Engl	ish				
Semester							
CA 2024 ×							

Location, dates and time of teaching units

Timetable: https://www.unifr.ch/timetable/en/



Plans Site Miséricorde Site Pérolles Site Beauregard Site Regina Mundi

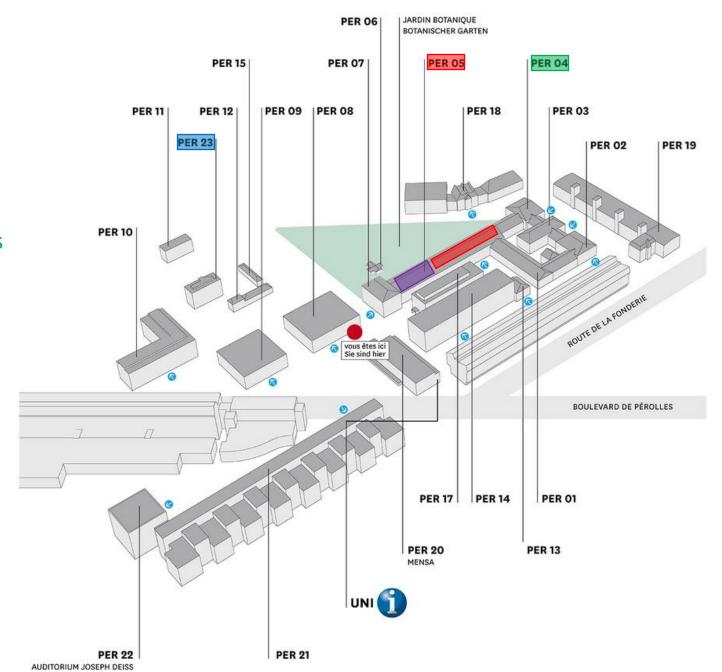
PER 23: Ecology and Evolution

PER 05 : Biochemistry

PER 05 : Zoology

PER 04 : Plant and Microbial Sciences

Site Pérolles



Additional important information

https://www.unifr.ch/scimed/en/studies/practical/

R R	UNIVERSITÉ DE FRIBOU UNIVERSITÄT FREIBURG						Faculty of Science and Medicin
łome	News & Events	Faculty	Sections	Studies	Research	Services	
• Stu	dies - Practical information	n					
St	udies		Practi	cal in	forma	tion	
Ba	chelor	~					
Ma	ester	~	Here, you will complaint pro		tion about regi	strations, validations, switchin	ng you study field, student requests, and
Do	ctorate	~					
Pra	actical information	^					
5	Study advisors						
	Registration to courses an exams	nd	Study adv	isors	111 -4	Registration	Attestations and
1	ranscripts and validation	S		at study choic		Information about registratio	
F	Reference persons		and organiz mobility.	ation as well	as	to classes, exams and minors	transcripts and attestations,
	Register a minor or chang study field	ge					and how to validate credits.
5	Student requests		0.01		-11		
(Complaints and Appeals						
Co	ntinuing education			CEL	(6)		
Tea	acher education		Reference	persons		Register a minor or	Student requests
Reg	gulations and Curricula	~		contact with ive questions	: about	Change study field	Requesting recognition of previous studies or
Мо	bility		courses and		about	Switching major or minor. Registering a minor	exemptions to curricula
Fre	equently asked questions						
		_					
			Complaint	ts and appe	eals		

Appealing exam results or other decisions

Language courses

https://www.unifr.ch/centredelangues/en/courses/semester/

UNI FR

Language Courses

Semester courses

Intensive Courses

Specific Course Law Testimonials

UNIVERSITÉ DE FRIBOURG
UNIVERSITÄT FREIBURG
Language Centre

Iome Centre Language Courses Self-Learning Bilingue Plus Tests & Certificates



Semester courses

Registration for students and employees Unifr

Language courses are open to students from all faculties except:

- auditors
- · visiting students from other universities (also including BeNeFri), unless they are part of a Mobility Programme
- · persons from outside the university (except partner institutions)

MSc Biology students often take:

B2-C1 Academic English for Master's Students: Presentation, discussion and team-working skills

19.09.2023 - 19.12.2023

- Séminaire
- English

Semester Courses

- German, French, English, Italian
- Students and employees Unifr and partner institutions
- mekly courses, during the semester

✓ A1 - C2

Autumn Semester 2023

Registration period: 04.09. - 01.10.2023

Course Registration Information →

• Students of the University of Fribourg can register directly via **MyUnifr**. For all other groups (employees of Unifr, employees and students of our partner institutions), course registration takes place via our website.

NB. Only credits for English courses can be credited

Courses in Bern and Neuchâtel BeNefri

Presentation

The BeNeFri network, as the result of the collaboration between the Universities of Bern, Neuchâtel and Fribourg, allows you to attend courses at both partner universities. This way, you have the opportunity to follow a wide-range of courses and to discover student life at another university.

Legal basis

All the details are available in the BeNeFri framework convention.

Registration

Registration to the BeNeFri network is possible for study fields mentioned in the annex to the framework convention.

For further information (study fields, courses, recognitions, etc.), please contact the faculty involved.

Registration requests to BeNeFri courses must be submitted on the MyUnifr portal within the following deadlines:

Autumn semester: 30 September
 Spring semester: 28 February

• Registrations are valid for **one semester only**. You will therefore have to reregister for each semester if you wish to remain registered with the BeNeFri network.

Courses in Bern and Neuchâtel

E-account

Students coming to UniFR:

Once the data exchange has taken place between the different universities (early October for the autumn semester and early March for the spring semester), you will receive an SMS from UniFR's IT Department regarding the activation of your e-account.

Enquiries or requests may be sent directly to the IT-support.

Students attending UniBE or UniNE:

The partner university is responsible for your electronic access.

Reimbursement of travel expenses

You can receive a reimbursement of your travel expenses by public transportation to the partner universities. To do so, please fill in the **form** and return it to the Office for Admissions and Registration. Only **full** applications submitted within the following **deadlines** will be considered:

o Autumn semester: 31 January

Spring semester: 30 June

9 You can benefit from the allowance only if you are **registered with the BeNeFri network** for the relevant semester.

- The UniFR participates in the reimbursement of travel tickets according to the following criteria:
- Value of a 2nd class half-fare ticket
- o Trips between Fribourg and Bern or Fribourg and Neuchâtel only

• In case of at **least 6 trips per semester** the UniFR participates in the expenses of a half-fare travel card or a GA travel card upon presentation of the receipt; the **SwissPass alone is not sufficient**.

Field courses in South Africa

- Maximum one course per student, 5 ECTS.
- Validation by passed/failed. Requires an oral presentation.
- You need to find a supervisor from our Department to serve as a referee, and to finance yourself.







THE DISCOVER EDEN SOUTH AFRICA ECOLOGY COURSE

2024 ECOLOGY COURSE DATES:

14 June to 02 July 12 July to 30 July

02 August to 20 August

ECOLOGY COURSE COST: \$3 490 - US Dollar / €3 200 - Euro

THE DISCOVER EDEN BIG 5 EXPERIENCE

2024 BIG 5 COURSE DATES:

14 June to 02 July

05 July to 23 July

26 July to 13 August

BIG 5 COURSE COST: \$3 490 - US Dollar / €3 200 - Euro

THE DISCOVER EDEN MARINE BIOLOGY COURSE

2024 MARINE BIOLOGY COURSE DATES

07 June to 20 June

28 June to 11 July

19 July to 01 August

MARINE BIOLOGY COURSE COST: \$3 190 - US Dollar / €2 900 - Euro

Option Ecology and Evolution

Option Ecology and Evolution
Option Applied Environmental Biology

Option Marine Biology

- NB: the courses are not listed in the study plans.
 - the courses are open only for the options listed above. Other restrictions might apply.

Why are you here

After the Bachelor, the Master is the second step in becoming a biologist

- Use the knowledge acquired during the Bachelor
- explore a more specialized topic
- switch from a passive to an active attitude
- independent and creative thinking
- learn how to communicate and present your results
- learn how to write a scientific paper in English
- learn how to have a critical approach of your and other's results
- organize yourself in planning experiments

The duration of a 90-ECTS Master in Biology is **3 semesters**, of which **1 year full-time** dedicated to the laboratory work

The duration of a 120-ECTS Master in Biology is 4 semesters, of which 1.5 year full-time dedicated to the laboratory work

Why are you here

The Master widens your job opportunities. Your next step might be in...

- getting a teaching diploma (maturity level)
- starting a PhD
- working or being trained in a pharmaceutical company
- working as a lab manager in an academic research laboratory
- working as a salesperson
- working in patent offices
- working in regulatory affairs
- becoming a medical analyst (FAMH)

Lecture SBL.00420 (spring semester) tells more about looking for, obtaining and preparing a job interview

Timeline (120 ECTS programmes)

Semester 1

- Take as many classes as possible (Master courses, complements)
- Start looking for a laboratory ("Master evening" towards the end of November)
- Follow the seminars (mandatory)

Semester 2

- Start the laboratory work
- Start organizing the written Master's thesis, literature searches
- Take the mandatory classes offered in the Spring semester
- Take complementary courses, if this applies
- Follow the seminars, give your first progress report

Semester 3

- Carry on your laboratory work. New questions? New perspectives?
- Read and organize the literature related to your thesis project
- Seminars: mandatory presentations (progress report, Journal club)
- Take additional classes

Semester 4

- Carry on and bring your laboratory work to an end
- Finish writing the thesis (50-100 pages)
- Take remaining classes
- Prepare and present the Master thesis (30 minutes).

Timeline (90 ECTS programmes)

Semester 1

- Take as many classes as possible (Master courses, 30-ECTS minor)
- Start looking for a laboratory ("Master evening" towards the end of November)
- Follow some of the mandatory seminars

Semester 2

- Start the laboratory work
- Start organizing the written Master's thesis. Literature study.
- Take the mandatory classes offered in the Spring semester
- Take complementary courses
- Take courses from the 30-ECTS minor
- Follow the seminars, give your first progress report

Semester 3

- Carry on and bring your laboratory work to an end
- Read and organize the literature related to your thesis project
- Seminars: mandatory presentations (progress report, Journal club)
- Finish writing the thesis (50-100 pages)
- Take remaining classes, if this applies
- Prepare and present the Master thesis (30 minutes).

Final steps of your Master studies:

- 1) <u>The Master thesis</u> (SBL.05001/2) is carried out with the agreement of the group leader. There is NO circulation of the Master's thesis. The group leader gives the grade to Eirini Maikanti (50% lab work, 25% written thesis; 25% final presentation) on a signed document.
- 2) <u>Thesis-related activities</u> must be entered into GeFri. To do this, prepare a sheet with the different teaching units and have it signed by your group leader (or the relevant teacher). Then transmit to Eirini Maikanti
- 3) <u>Semester fees</u>: If you finish your Master thesis towards the end of a semester, make sure that you have acquired all remaining credits and that you have defended your Master thesis. Even if the correction of the Master thesis manuscript will take some time, you do NOT have to pay one more semester just to get the grade of the Master thesis entered.
- 4) If you later realize that you want to repeat an exam, please pay your bill quickly. The principle is simple: as long as you want to take additional exams or acquire additional teaching, you must be registered.
- 5) To submit the written Master's thesis: We are strict with the form of writing the summary. The writing of the Master thesis is under the responsibility of the group leader. No need to deliver a manuscript to the administration/department. Only to your group leader.
- 6) <u>Validation of the package</u>: You validate your packages (courses, master thesis) when the total 120 / 90 ECTS credits, and all mandatory teaching units have been obtained. The average grade of the package counts (≥ 4.00)
- 7) <u>Diploma ceremony</u>: The deadline for obtaining the printed diploma is indeed strict: for the ceremony taking place in February, the deadline to pay for the credits is mid-December of the preceding year. Information about the graduation ceremony is on https://www.unifr.ch/scimed/en/info/ceremonies

For those who have missed the deadline, an official certification of the credits and the completion of the Master can be obtained at any time with the dean's office.

8) You can exmatriculate once you have all the validated packages. This is especially useful when continuing at another university.

Delivery of the MSc thesis:

• Please follow the procedure as on:

https://www.unifr.ch/scimed/en/studies/master-(msc)/master-thesis.html

Only one copy of the Master's thesis for your group leader.
Usually at this point, Master's thesis-related activities have been validated.

• <u>Time considerations</u>:

https://www.unifr.ch/scimed/en/validate

For the master thesis manuscript, the last version must be handed to the group leader **before** the beginning of the new semester, so no more corrections are possible. The final correction and grading by the group leader as well as the MSc thesis defence should be done within the 3-4 following weeks, not later.

Thesis-related activities

you can obtain these documents as a pdf file. Ask Eirini Maikanti



MSc in Environmental Biology

Validation of Thesis-related activities

	ior	

Applied Environmental Biology

Ecology and Evolution

Plant and Microbial Sciences

Teaching (relevant codes are italicized in the table below)

Student name:	

Student N°:.....-.

Code	Title	ECTS	Validation date	Responsible or Group leader	Signature
SBL.20083 or	Research group				
SBL.20084	meetings				
SBL.20081 or	Research				
SBL.20082	seminars in				
	environmental				
	biology				
SBL.00431 or	Seminars in				
SBL.00432	biology				

Studer	nt'c	ciar	nature:

Date:

In order to have the results entered into GeFri, please hand the printed and signed document to Eirini Maikanti.

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UNIVERSITÉ DE FRIBOUR UNIVERSITÄT FREIBURG

MSc in Molecular Life and Health Sciences

Validation of Thesis-related activities

O			

Developmental Biology and Regeneration

Neurobiology

Biochemistry and Cell Biology

Marine Biology

Teaching (relevant codes are italicized in the table below)

Student name:	
Student name.	

Student N°:.....-

Code	Title	ECTS	Validation date	Responsible or Group leader	Signature
SBL.10103 or	Research group				
SBL.10104	meetings				
SBL.10105	Research				
SBL.10105	seminars in				
	molecular life				
	and health				
	sciences				
SBL.00431 or	Seminars in				
SBL.00432	biology				
SBL.10100 or	Journal club in				
SBL.10102	molecular life				
	sciences				

Student's signature:

Date:

Most questions can be answered through the following documents/websites:

Study plans: https://www.unifr.ch/scimed/en/plans/master

Regulations: https://www.unifr.ch/scimed/fr/rules/regulations

If you have still not found your answer:

Masters in Biology:

Dr Alessandro Puoti (study advisor)

Department of Biology

Chemin du Musée 10

Laboratory 0.325 (PER05)

1700 Fribourg

alessandro.puoti@unifr.ch

MSc in Bioinformatics and computational biology, and related courses:

Prof. Daniel Wegmann (study advisor)

Department of Biology

Chemin du Musée 15

Office 1.03 (PER23)

1700 Fribourg

daniel.wegmann@unifr.ch

Department secretary

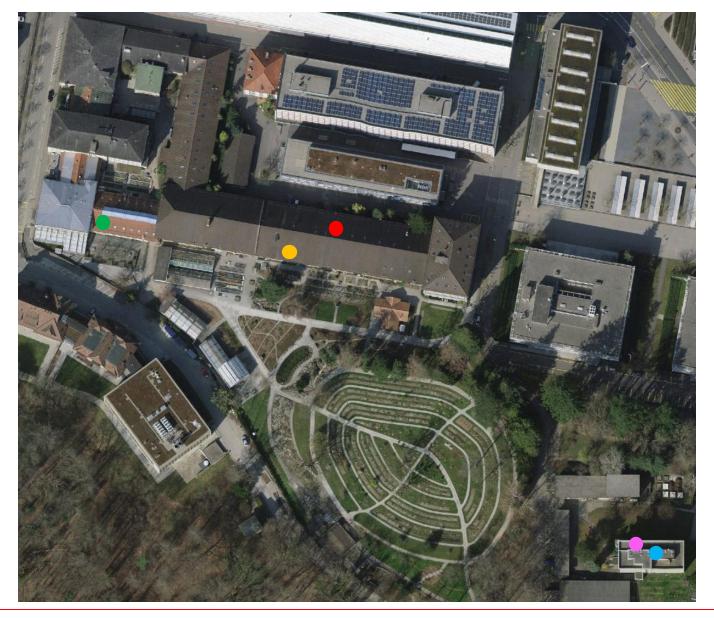
Mrs Evelyn Boll Chemin du Musée 10 Office 0.334 (Per 05) 1700 Fribourg evelyn.boll@unifr.ch

GeFri secretary

Mrs Eirini Maikanti Route Albert-Gockel 3 Office 0.01 (Per 23) 1700 Fribourg eirini.maikanti@unifr.ch

Communication / Events

Mrs Rachel Sauge Route Albert-Gockel 3 Office 0.108 (Per 04) 1700 Fribourg rachel.sauge@unifr.ch



VERY IMPORTANT: if haven't done this during the welcome event, announce yourself to Mrs Sauge in order to be on the mailing list. Please specify the Master and the option.