

Block view of the study programme

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Block 1
Core curriculum compulsory courses

BIOL0852-1	<i>Ecosystems and climate change</i> - Monique CARNOL	Q2	24	16	-	3
BIOL0810-2	<i>Conservation biology</i> - Nicolas MAGAIN	Q2	30	-	-	4
BIOL0808-2	<i>Functional morphology</i> - <i>Marine vertebrates</i> - Eric PARMENTIER - <i>Birds, mammals, biomimicry</i> - Eric PARMENTIER - [1d FW]	Q1	15 10	10 15	- [+]	4
PALE0209-1	<i>Paleontology</i> - <i>Micropaleontology</i> - Emmanuelle JAVAUX - <i>Macropaleontology</i> - Valentin FISCHER	Q1	10 15	- 5	- -	3
BIOL0866-1	<i>Ecophysiology</i> - Claire PÉRILLEUX, JeanChristophe PLUMIER, Stéphane ROBERTY	Q1	25	15	-	3
BIOL2213-1	<i>Behavioural ecology</i> - Mathieu DENOËL, Laurane WINANDY	Q1	20	-	-	3
BIOL0854-1	<i>Ecotoxicology</i> (english language) - Célia JOAQUIMJUSTO	Q1	20	18	-	4
BIOL0812-2	<i>Biogeography</i> - Alain VANDERPOORTEN	Q2	25	-	-	3
GENE0446-2	<i>Population genetics</i> - Johan MICHAUX, Claire REMACLE	Q1	20	10	-	3
GENE0448-1	<i>Phylogenetic methods</i> - Denis BAURAIN	Q1	20	15	-	3
BIOL2041-1	<i>Taxonomy and animal phylogeny</i> - Loïc MICHEL	Q1	25	15	-	4
BIOL2040-1	<i>Taxonomy and phylogeny of chlorophyll lines</i> - Nicolas MAGAIN	Q2	25	15	-	4
SSTG0069-1	<i>Professional internship</i> - Fany BROTCORNE, Gilles LEPOINT, Nicolas MAGAIN, JeanChristophe PLUMIER, Carole ROUGEOT - [20d FW]	TA	-	-	[+]	8
BIOL0856-1	<i>Data analysis in ecology, ethology and evolutionary biology</i> - Flavien COLLART, Bruno FREDERICH	Q1	-	20	-	3

Common core courses

In agreement with the Jury, choose one of the following field placement modules:

Conservation and Biodiversity Module

SSTG0046-1	<i>Naturalistic building upon applied in conservation</i> - Nicolas MAGAIN - [8d FW]	TA	-	-	[+]	4
SSTG0066-1	<i>Internship: ecology applied to monitoring and conserving biodiversity</i> - Flavien COLLART, Mathieu DENOËL, Nicolas MAGAIN, Loïc MICHEL, Laurane WINANDY - [9d FW]	Q2	-	-	[+]	4

Ecology and Biodiversity Module

SSTG0024-1	<i>Training: biodiversity, phylogeny and ecology</i> - Flavien COLLART, Bruno FREDERICH, Véronique GOOSSE, Loïc MICHEL, Stéphane ROBERTY, Laurane WINANDY - [10d FW]	TA	-	-	[+]	5
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In agreement with the Jury, choose a field placement from among:

SSTG0064-1	<i>Applied biogeography</i> - Flavien COLLART, Alain VANDERPOORTEN - [6d FW]	Q2	-	-	[+]	3
SSTG0053-1	<i>Integrated ethometry internship</i> - Fany BROTCORNE, Mathieu DENOËL - [4d FW]	Q2	-	10	[+]	3

Only accessible to students enrolled in the Master's programme before the 2025-2026 academic year.

Block 2
Core curriculum compulsory courses

SMEM0013-1 *Final thesis* - COLLÉGIALITÉ, Bruno FREDERICH TA - - - 27
Notice : Students who handle animals within the framework of their dissertation must have the Certificate in laboratory animal sciences, grade: animal biotechnologist. Prof. Mathieu DENOEL).

DOCU0462-1 *Preparing a dissertation in the biology of organisms and ecology* - Q1 15 - [+] 3
 Monique CARNOL - [15h Mon. WS]

Only accessible to students enrolled in the Master's programme before the 2025-2026 academic year.

Focus compulsory courses

AESS1217-1 *Special didactics in biology : course and exercises (1st part)* - TA 40 - - 3
 MarieNoëlle HINDRYCKX

Corequisite :

AESS1218-1 - Didactique spéciale en biologie : stages (partim I)

AESS0202-1 - Didactique générale : cours et exercices ; stages d'observation ; pratiques réflexives

AESS1218-1 *Special didactics in biology : placements (1st part)* TA 3
 - *Observation placements* - MarieNoëlle HINDRYCKX - [10h Internship] - - [+] 3
 - *Teaching placements* - MarieNoëlle HINDRYCKX - [20h Internship] - - [+] 3
 - *Reflexive practical work* - MarieNoëlle HINDRYCKX - 5 -

Corequisite :

AESS1217-1 - Didactique spéciale en biologie : cours et exercices (partim I)

AESS0202-1 - Didactique générale : cours et exercices ; stages d'observation ; pratiques réflexives

AESS2217-1 *Special didactics in biology : course and exercises (part II)* - TA 35 - [+] 4
 MarieNoëlle HINDRYCKX - [1d FW]

Corequisite :

AESS2218-1 - Didactique spéciale en biologie : stages (partim II)

AESS1218-1 - Didactique spéciale en biologie : stages (partim I)

AESS1217-1 - Didactique spéciale en biologie : cours et exercices (partim I)

AESS0202-1 - Didactique générale : cours et exercices ; stages d'observation ; pratiques réflexives

AESS2218-1 *Special didactics in biology : placements (2nd part)* TA 5
 - *Teaching placements* - MarieNoëlle HINDRYCKX - [20h Internship] - - [+] 5
 - *Reflexive practical work* - MarieNoëlle HINDRYCKX - 5 -
 - *Extra-scholar teaching activities* - MarieNoëlle HINDRYCKX - 10 -

Corequisite :

AESS2217-1 - Didactique spéciale en biologie : cours et exercices (partim II)

AESS1218-1 - Didactique spéciale en biologie : stages (partim I)

AESS1217-1 - Didactique spéciale en biologie : cours et exercices (partim I)

AESS0202-1 - Didactique générale : cours et exercices ; stages d'observation ; pratiques réflexives

AESS0202-1 *General didactics: course and exercises ; observation placements ; reflexive practices* - TA 30 10 [+] 4
 Margaux NOIZET - [10h Internship]

Corequisite :

AESS1218-1 - Didactique spéciale en biologie : stages (partim I)

AESS1217-1 - Didactique spéciale en biologie : cours et exercices (partim I)

AESS0246-1 *Analysis of scholastic institutions and educational policies* Q2 15 - - 1

AESS0248-1 *Elements of sociology of education* - JeanFrançois GUILLAUME Q2 10 - - 1

AESS0004-1 *Media education* Q2 15 - - 1

AESS0249-1 *Interdisciplinary seminar* Q2 15 - - 1

AESS0140-1 *Professional ethics and training to neutrality and citizenship* - Anne HERLA Q2 25 - - 2

AESS0143-1 *Educational Psychology of adolescents and young adults* Q1 15 - - 2

AESS0339-1 *Understand and manage the diversity of public schools* TA 10 15 - 3

Bloc d'aménagement du programme de l'année

Bridging courses (max 15-60 credits) Master in biology of organisms and ecology (120 credits)

The refresher programme, for a maximum of 60 credits, will be established by the jury of the Masters in Biology of Organisms and Ecology, depending on the student's prior training: this programme will enable the student to acquire the basic knowledge required in relevant fields (statistics, biology, biodiversity, etc.).

Compulsory courses

BIOL0518-4	<i>Biodiversity and ecology</i> - <i>Notions and concepts</i> - Gabriel CASTILLO CABELLO, Bruno FREDERICH, Eric PARMENTIER - <i>Stage d'écologie marine</i> - Eric PARMENTIER - [5d FW]	TA	60	-	-	[+]	7
BIOL0868-1	<i>Biology of multicellular animal organisms</i> - Bruno FREDERICH	Q1	15	15	-		3
BIOL0869-1	<i>Biology of multicellular plant organisms</i> - Claire PÉRILLEUX	Q1	15	15	-		3
BIOL0216-1	<i>Physiologie animale</i> - JeanChristophe PLUMIER	Q1	45	25	-		6
BIOL0217-2	<i>Vegetal physiology, Theory</i> - Claire PÉRILLEUX	Q2	35	-	-		3
BIOL2037-1	<i>Introduction to evolutionary biology</i> - Nicolas MAGAIN - [1d FW]	Q2	25	25	[+]		4
BIOL2038-1	<i>Soil ecology and microbiology</i> - Monique CARNOL - [1d FW]	Q1	25	10	[+]		3
BIOL2039-2	<i>Freshwater ecology, Theory</i> - Véronique GOOSSE, Célia JOAQUIMJUSTO	Q2	18	2	-		2
BIOC9244-1	<i>Genetics and introduction to molecular ecology</i> - Marc HANIKENNE	Q1	20	10	-		2
STAT0750-1	<i>Analyse statistique multivariée (logiciel R)</i> - Arnout VAN MESSEM	Q2	10	14	-		3
DOCU0460-1	<i>Training in the use of documentary resources in biology(refresher course)</i> - Hassan BOUGRINE, Monique CARNOL	Q1	6	6	-		1
STAT0077-1	<i>Computing analysis and processing of biological data</i> - Patrick MEYER	Q1	25	-	-		2

Optional courses

In agreement with the Jury, if necessary choose courses from:

Courses from the Bachelor in Biology.