Block view of the study programme

		Or	Th	Pr	Au	Cr
Block 1						
Core curriculum compulsory courses						
BIOL0852-1	*Ecosystems and climate change* - Monique CARNOL	Q2	24	16	-	**3**
BIOL0810-2	*Conservation biology* - Nicolas MAGAIN	Q2	30	-	-	**4**
BIOL0808-2	*Functional morphology* - *Marine vertebrates* - Eric PARMENTIER - *Birds, mammals, biomimicry* - Eric PARMENTIER - [1d FW]	Q1	 15 10	 10 15	 - [+]	**4**
PALE0209-1	*Paleontology* - *Micropaleontology* - Emmanuelle JAVAUX - *Macropaleontology* - Valentin FISCHER	Q1	 10 15	 - 5	 - -	**3**
BIOL0866-1	*Ecophysiology* - Claire PÉRILLEUX, JeanChristophe PLUMIER, Stéphane ROBERTY	Q1	25	15	-	**3**
BIOL2213-1	*Behavioural ecology* - Mathieu DENOËL, Laurane WINANDY	Q1	20	-	-	**3**
BIOL0854-1	*Ecotoxicology* (english language) - Célia JOAQUIMJUSTO	Q1	20	18	-	**4**
BIOL0812-2	*Biogeography* - Alain VANDERPOORTEN	Q2	25	-	-	**3**
GENE0446-2	*Population genetics* - Johan MICHAUX, Claire REMACLE	Q1	20	10	-	**3**
GENE0448-1	*Phylogenetic methods* - Denis BAURAIN	Q1	20	15	-	**3**
BIOL2041-1	*Taxonomy and animal phylogeny* - Loïc MICHEL	Q1	25	15	-	**4**
BIOL2040-1	*Taxonomy and phylogeny of chlorophyll lines* - Nicolas MAGAIN	Q2	25	15	-	**4**
SSTG0069-1	*Professional internship* - Fany BROTCORNE, Gilles LEPOINT, Nicolas MAGAIN, JeanChristophe PLUMIER, Carole ROUGEOT - [20d FW]	TA	-	-	[+]	**8**
BIOL0856-1	*Data analysis in ecology, ethology and evolutionary biology* - Flavien COLLART, Bruno FREDERICH	Q1	-	20	-	**3**
Common core courses						
In agreement with the Jury, choose one of the following fiel placement modules:						
Conservation and Biodiversity Module						
SSTG0046-1	*Naturalistic building upon applied in conservation* - Nicolas MAGAIN - [8d FW]	TA	-	-	[+]	**4**
SSTG0066-1	*Internship: ecology applied to monitoring and conserving biodiversity* - Flavien COLLART, Mathieu DENOËL, Nicolas MAGAIN, Loïc MICHEL, Laurane WINANDY - [9d FW]	Q2	-	-	[+]	**4**
Ecology and Biodiversity Module						
SSTG0024-1	*Training: biodiversity, phylogeny and ecology* - Flavien COLLART, Bruno FREDERICH, Véronique GOOSSE, Loïc MICHEL, Stéphane ROBERTY, Laurane WINANDY - [10d FW]	TA	-	-	[+]	**5**
In agreement with the Jury, choose a field placement from among:						
SSTG0064-1	*Applied biogeography* - Flavien COLLART, Alain VANDERPOORTEN - [6d FW]	Q2	-	-	[+]	**3**
SSTG0053-1	*Integrated ethometry internship* - Fany BROTCORNE, Mathieu DENOËL - [4d FW]	Q2	-	10	[+]	**3**
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* - Monique CARNOL - [15h Mon. WS]	Q1	15	-	[+]	**3**

Focus optional courses

Choose one module from :

Module: Fundamental and applied eco-ethology

Choose 3 courses (15 credits) from:

General courses in ethology

BIOL1063-1	*Social ethology* - Fany BROTCORNE, Laurane WINANDY	Q1	20	10	-	**5**
PSYC0063-1	*Behavioural neuroendocrinology* - Charlotte CORNIL	Q1	30	-	-	**5**
BIOL0858-1	*Animal communication* - Fany BROTCORNE, JeanChristophe PLUMIER	Q1	20	10	-	**5**
ANTH0057-1	*Anthropology of the nature of animals* - Véronique SERVAIS	Q1	30	-	-	**5**

Ethology of wildlife and management of fauna

BIOL1064-1	*Behavioural primatology* - Fany BROTCORNE	Q1	30	-	-	**5**
RAVT0002-2	*Eco-ethology and wildlife conservation* - Pascal PONCIN - [1d FW]	Q2	20	-	[+]	**5**
VETE0014-1	*Domestic Animal Behaviour Science* - Marc VANDENHEEDE	Q1	32	-	-	**5**
BIOL0859-1	*Insect behaviour* - Frédéric FRANCIS, François VERHEGGEN	Q1	20	10	-	**5**
ZOOL2021-1	*Ecology and dynamics of freshwater fish populations* - *Theory* - Michaël OVIDIO - *Practice* - Michaël OVIDIO	Q1	10 -	- 20	- -	**5**

Module: Biology, Ecology and Ecotoxicology

Choose 3 courses (15 credits) from:

BIOL0861-1	*Integrated management of entomological biodiversity* - Rudy CAPARROS MEGIDO, Frédéric FRANCIS, Frédéric FRANCIS	Q1	15	15	-	**5**
OCEA0084-1	*Marine ecotoxicology* (english language) - Krishna DAS - [15h Mon. WS]	Q1	15	-	[+]	**5**
BIOL0862-1	*Quantification of the environmental risk associated with pollutants and decision-making* (english language) - Célia JOAQUIMJUSTO	Q1	16	8	-	**5**
OCEA0227-1	*Tools for analysis and assistance for integrated management* - JeanFrançois DELIÈGE, Sylvie GOBERT - [5h Mon. WS]	Q1	15	15	[+]	**5**
BOTA0410-1	*Phylogeny of eukaryotes* - Denis BAURAIN	Q1	30	-	-	**5**
BIOL0025-1	*Animal symbiosis* - Stéphane ROBERTY	Q1	15	15	-	**5**
BIOL0030-1	*Modeling dynamical biological systems* (english language) - Marilaure GRÉGOIRE, Patrick MEYER - [15h Mon. WS]	Q1	15	-	[+]	**5**
OCEA0223-1	*Biodiversity of tropical coastal regions: study and intercultural context* - Bruno FREDERICH, Gilles LEPOINT, Aliénor PIRLET, Richard RASOLOFONIRINA - [12d FW]	Q2	10	-	[+]	**5**
CHIM9212-1	*Biological applications of radioelements* - Philippe COMPÈRE	Q2	30	-	-	**5**
BIOL2042-1	*Population Biology* - Johan MICHAUX - [3d FW]	Q2	10	-	[+]	**5**
BIOL0821-1	*Natural Biomaterials : ultrastructural and functional aspects* - Philippe COMPÈRE	Q2	30	-	-	**5**
GBIO0022-1	*Biomimicry* (english language) - Philippe COMPÈRE, Tristan GILET,	TA	15	-	[+]	**5**

	Davide RUFFONI - [45h Proj.]					
GEOG0238-5	*Geographical Information Systems, Introduction* - Roland BILLEN, François JONARD	Q1	15	15	-	**5**
BIOL0871-1	*Biomechanics for Scientists* (english language) - Mason DEAN - [20h Proj.]		30	-	[+]	**5**
BIOL0872-1	*Introduction to Biomimicry* (english language) - Mason DEAN - [20h Proj.]		30	-	[+]	**5**

In agreement with the Jury, choose from the Master's programme in biology of organisms and ecology, courses not already taken for a total of 15 credits

[...] courses from the master in biology of organisms and ecology

[...] Module courses

[...] List of option courses

Exceptionally, and in agreement with the Jury, one or several courses may be chosen from the courses' programmes of other field of education of the Faculty of Sciences, other faculties or other universities (for example, in connection with the final dissertation, etc.).

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

Optional courses

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

Courses from the Bachelor in Biology.

List of option courses

HAAR0091-1	*Archaeozoology* - Annick GABRIEL	Q1	15	15	-	**3**
ENVT3045-1	*Ecosystems : conditions, anthropic impacts and management* - Dorothée DENAYER, Célia JOAQUIMJUSTO - [16h Cl. inv.]	Q2	4	20	[+]	**3**
GEOL0099-1	*Biodiversity and extinctions* (english language) - Valentin FISCHER - [3d FW]	Q2	25	10	[+]	**3**
GEOL1022-2	*Origin and early evolution of life* (english language) - Emmanuelle JAVAUX	Q1	10	20	-	**3**
GEOL0263-1	*Astrobiology* (english language) - Kristin BARTIK, Pierre CARDOL, Vinciane DEBAILLE, Michaël GILLON, Emmanuelle JAVAUX, Yannick LARA, Yaël NAZÉ, AnnCarine VANDAELE	Q2	45	-	-	**3**
BIOL0114-4	*Electronic microscopies, Part A* - Philippe COMPÈRE	Q2	15	-	-	**3**
NEUR0434-1	*Functional Neuroanatomy* - JeanChristophe PLUMIER	Q2	30	-	-	**3**
BIOL0822-1	*Environmental physiology* (english language) - JeanChristophe PLUMIER	Q1	10	20	-	**3**
BIOL0823-1	*Ultrastructural cytochemistry* - Philippe COMPÈRE, N...	Q2	30	-	-	**3**
OCEA0083-1	*Physiology and biochemistry of the marine animals* (english language) - Philippe COMPÈRE	Q1	15	15	-	**3**
GENE0003-1	*Genomics* - Marc HANIKENNE	Q2	20	-	-	**3**
OCEA0226-1	*Introduction to aquaculture* - Carole ROUGEOT	Q1	30	-	-	**3**
ZOOL0230-2	*Methods to count and monitor freshwater fish populations* - Michaël OVIDIO - [4d FW]	Q2	10	-	[+]	**3**
OCEA0144-1	*Biology of coral reefs* (english language) - Stéphane ROBERTY	Q1	30	-	-	**3**
OCEA0027-1	*The study of stable isotopes and application to environmental sciences* - Gilles LEPOINT, Loïc MICHEL	Q1	15	15	-	**3**
BIOC9245-1	*Macromolecules chemistry* - Moreno GALLENI, Loïc QUINTON	Q2	20	10	-	**3**
OCEA0230-1	*Marine invertebrate zoology* - Loïc MICHEL	Q1	20	10	-	**3**
PHYS0999-1	*Digital creation in sciences* - Roland BILLEN, Valentin FISCHER, JeanChristophe MONBALIU, Eric PARMENTIER, Michel RIGO, Nicolas VANDEWALLE - [30h Proj.]	TA	10	-	[+]	**3**
DOCU0455-1	*Introduction to critical thinking* - *Theory* - Yaël NAZÉ - *Practice* - Yaël NAZÉ	Q2	 10 -	 - 6	 - -	**3**
LANG2971-2	*Academic English Writing* (english language) - Clara BRERETON	Q2	25	-	-	**3**
LANG4007-1	*English - oral expression* (english language) - Clara BRERETON	Q1	-	25	-	**3**
GBIO0005-1	*Introduction to cognitive neurosciences* - Gilles VANDEWALLE	Q1	26	26	-	**5**