

## Block view of the study programme

Or Th Pr Au Cr

### Bloc 1 du programme de l'année

#### Compulsory course

SMEM0018-1 *Final thesis* - COLLÉGIALITÉ TA - - - 26

#### Optional courses

In agreement with the Jury, choose the subject below not taken during the study programme of the 3rd year of bachelor in biology or in Block 0 :

#### Option Biochemistry and Molecular and Cellular Biology

GENE9002-1	<i>Molecular biology of gene I</i> - Franck DEQUIEDT	Q1	30	-	-	3
GENE9003-1	<i>Molecular biology of gene II</i> - Franck DEQUIEDT	Q2	30	30	-	4
BIOC9242-1	<i>Biological Macromolecules Chemistry</i> - Moreno GALLEN, Loïc QUINTON	Q1	40	-	-	4
BIOC9243-1	<i>Introduction to Enzymology</i> - Moreno GALLEN, André MATAGNE	Q2	20	40	-	4
BIOL0024-1	<i>Molecular physiology of the cell</i> - Patrick MOTTE	Q2	15	10	-	2
STRA0038-1	<i>Seminars</i> - Moreno GALLEN - [4h Vis. Ind. Pl. ]	Q1	5	-	[+]	1
STRA0044-1	<i>Training in scientific communication</i> - Jacques DOMMES, Patrick MOTTE - [50h Internship]	Q2	-	-	[+]	4

#### Option Biology of Organisms and Ecology

BIOC9244-1	<i>Molecular genetics and biology</i> - Jacques DOMMES	Q1	20	10	-	3
BIOC9245-1	<i>Macromolecules chemistry</i> - Moreno GALLEN, Loïc QUINTON	Q2	20	10	-	3
BIOL2036-1	<i>Animal Biodiversity Measures and Applications</i> - Sylvie GOBERT, Mathieu POULICEK	Q1	10	15	-	2
BIOL2037-1	<i>Biodiversity : introduction to evolutionary biology and description of vegetation</i> - Emmanuël SÉRUSIAUX - [1d FW]	Q2	30	20	[+]	4
BIOL2038-1	<i>Grounds ecology and microbiology</i> - Monique CARNOL - [1d FW]	Q1	25	10	[+]	3
BIOL2039-1	<i>Freshwater Ecology</i> - Véronique GOOSSE, Célia JOAQUIMJUSTO, JeanPierre THOMÉ - [3d FW]	Q2	15	-	[+]	3
STRA0045-1	<i>Training in scientific communication</i> - Monique CARNOL, Patrick DAUBY - [50h Internship]	Q2	-	-	[+]	4

Choose courses, with the approval of the Jury, totalling 12 credits among :

#### Biochemistry and Molecular and Cell Biology

BIOC0210-5	<i>Functional properties of biological macromolecules</i> - André MATAGNE - [10h Mon. WS]	Q1	20	-	[+]	3
BIOC0720-2	<i>Structure of biological macromolecules</i> - Paulette CHARLIER - [5h Mon. WS]	Q1	15	-	[+]	2
BIOC0721-1	<i>Optical properties of biological macromolecules</i> - Christian DAMBLON, André MATAGNE	Q1	15	-	-	2
BIOC0709-4	<i>Bioenergetics</i> - Pierre CARDOL, Fabrice FRANCK	Q1	20	-	-	2
GENE0001-4	<i>Genetic engineering</i> - Jacques DOMMES	Q1	20	-	-	2
BIOL0008-1	<i>Bioinformatics</i> - Denis BAURAIN	Q1	25	-	-	3
BIOL0009-1	<i>Molecular and cellular animal physiology</i> - Marc THIRY	Q1	15	-	-	2
BIOL0010-1	<i>Molecular and cellular plant physiology</i> - Patrick MOTTE	Q1	15	-	-	2
GENE0003-1	<i>Genomics</i> - Marc HANIKENNE	Q1	20	-	-	2
BIOC0003-2	<i>Biochemistry and physiology of the micro-organisms</i> - Bernard JORIS	Q1	20	-	-	2

BIOL0021-1	<i>Biology of the systems</i> - Patrick MEYER - [10h Mon. WS]	Q2	10	-	[+]	1
AESS0320-2	<i>Initiation to biology didactics</i> - MarieNoëlle HINDRYCKX	Q2	20	-	-	2
<b>Biology of Organisms and ecology</b>						
GENE0446-2	<i>Population genetics</i> - Johan MICHAUX, Claire REMACLE	Q1	25	15	-	4
BIOL2040-1	<i>Taxonomy and phylogeny of chlorophyll lines</i> - Emmanuël SÉRUSIAUX	Q2	25	15	-	3
BIOL2041-1	<i>Animal taxonomy and phylogeny</i> - Patrick DAUBY	Q1	40	30	-	5
GENE0448-1	<i>Phylogenetic methods</i> - Denis BAURAIN	Q1	20	15	-	3
PALE0209-1	<i>Paleontology</i> - Valentin FISCHER, Philippe GERRIENNE, Emmanuelle JAVAUX	Q1	40	30	-	8
BIOL0808-2	<i>Functional morphology</i> - Eric PARMENTIER - [1d Vis.]	Q1	20	25	[+]	4
BIOL0809-1	<i>Ecophysiology, ethology</i> - Mathieu DENOËL, Claire PÉRILLEUX, JeanChristophe PLUMIER - [3d FW]	Q1	40	15	[+]	8
BIOL0810-2	<i>Conservation Biology</i> - Emmanuël SÉRUSIAUX - [1d FW]	Q2	40	20	[+]	8
BIOL0811-1	<i>Natural resources and ecosystem disruptions</i> - Monique CARNOL, JeanPierre THOMÉ - [2d FW]	Q2	40	30	[+]	8
BIOL0812-2	<i>Biogeography</i> - Johan MICHAUX, Alain VANDERPOORTEN - [3d FW]	Q2	30	-	[+]	5
BIOL2042-1	<i>Population Biology</i> - Johan MICHAUX - [3d FW]	Q2	10	-	[+]	3
<b>Environmental management</b>						
ENVT0034-1	<i>Environmental data management</i> - Philippe ANDRE, AnneClaude ROMAIN, Bernard TYCHON	Q1	12	12	-	2
ENVT0013-3	<i>Assessment tools (impact assessment, LCA)</i> - Alain HANSON, Nathalie SEMAL	Q2	12	12	-	2
ENVT3053-1	<i>Introduction to Social Science</i> - Michel DACCACHE	Q1	12	12	-	2
ENVT3054-1	<i>Methodological Approach to Environmental Science, Part 1: Expression and reflexivity</i> - Philippe ANDRE, Vincent DEBBAUT, AnneClaude ROMAIN - Suppl : Fabien CLAUDE	Q1	12	12	-	2
ENVT3054-2	<i>Methodological Approach to Environmental Science, Partim 2 : Project</i> - Philippe ANDRE, Vincent DEBBAUT, Ninfa GRECO, AnneClaude ROMAIN - Suppl : Fabien CLAUDE - [36h Mon. WS]	Q2	-	12	[+]	4

*Notice* : Students who choose the two courses from the "Environmental Science and Management" module will have direct access to the 2nd year of the Masters in Environmental Science and Management, organised on the Arlon campus. The other students will also have access to the 2nd year of the Masters in Environmental Science and Management, provided they take courses corresponding to these 12 ECTS in addition to the 60 ECTS of this year of study.

#### Bloc d'aménagement du programme de l'année

### Additional ECTS Master in biology

#### Compulsory courses

BIOL0003-1	<i>Biology of pluricellular organisms</i> - <i>Animal</i> - MarieFrance VERSALI - <i>Plant Biology</i> - Claire PÉRILLEUX	Q1	15	15	-	5
STAT0076-1	<i>General statistics</i> - N... - Suppl : Catherine TIMMERMANS	Q1	30	20	-	4
STAT0077-1	<i>Computing analysis and processing of biological data</i> - Patrick MEYER	Q2	25	-	-	2

MICR1715-2	<i>Microbiology</i> - Part 1 : <i>Algology and Mycology</i> - Denis BAURAIN - Part 2 : <i>Bacteriology</i> - Bernard JORIS	Q1	20	10	-	5
MICR1716-1	<i>Virology</i> - Jacques PIETTE	Q2	20	10	-	2
BIOL0216-1	<i>Animal physiology</i> - JeanChristophe PLUMIER, Marc THIRY	Q1	60	30	-	6
BIOL0217-1	<i>Vegetal physiology</i> - Claire PÉRILLEUX	Q2	35	20	-	5
IMMU0521-1	<i>Immunology</i> - Catherine SADZOT	Q2	25	10	-	3
LANG0082-1	<i>English 3 (english language)</i> - Clara BRERETON, Véronique DOPPAGNE, Ellen HARRY, ISLV	TA	45	-	-	4
PHIL1106-1	<i>Philosophy and bioethics</i> - Part : <i>Philosophy</i> - Julien PIERON - Part : <i>Bioethics</i> - Florence CAEYMAEX, Jacques DOMMES, Vincent GEENEN	Q2	15	-	-	2

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GENE9003-1	<i>Molecular biology of gene II</i> - Franck DEQUIEDT	Q2	30	30	-	4
BIOC9246-1	<i>Chemistry of biological macromolecules, including Thermodynamics of biological systems</i> - Moreno GALLEN, Loïc QUINTON	Q1	50	-	-	4
BIOC9243-1	<i>Introduction to Enzymology</i> - Moreno GALLEN, André MATAGNE	Q2	20	40	-	4
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