Université de Liège

Study programmes 2014-2015
Faculty of Sciences
Master in Biological Sciences

A single year

Compulsory course

		Or	Th	Pr	Au	Cr
SMEM0018-1	*Final thesis* - COLLÉGIALITÉ	TA	-	-	-	**26**

Optional courses

Choose the option below that was not taken in the first year of the Bachelor degree in biological sciences :

Option Biochemistry and Molecular and Cellular Biology

GENE0004-1	*Molecular biology of the gene* - Franck DEQUIEDT	TA	60	30	-	**7**
BIOC0724-3	*Chemistry of biological macromolecules* - Moreno GALLENI, André MATAGNE	TA	60	40	-	**8**
BIOL0024-1	*Molecular physiology of the cell* - Patrick MOTTE	Q2	15	10	-	**2**
STRA0038-1	*Seminars* - Moreno GALLENI - [4h Vis. Ind. Pl.]	Q1	5	-	[+]	**1**
STRA0044-1	*Training in scientific communication* - Jacques DOMMES, Patrick MOTTE - [50h Internship]	Q2	-	-	[+]	**4**

Option Biology of Organisms and Ecology

BIOC0001-1	*Genetics, molecular biology and chemistry of biological macromolecules* - Jacques DOMMES, Moreno GALLENI	Q2	30	30	-	**6**
BIOL0017-1	*Biodiversity* - Bruno FREDERICH, Emmanuël SÉRUSIAUX - [3d FW]	TA	40	35	[+]	**6**
BIOL0018-1	*Ecology*	TA				**6**
	- *Part : Ecology of soil* - Monique CARNOL - [1d FW]	25	10	[+]		
	- *Part : Ecology of freshwater* - JeanPierre THOMÉ - [2d FW]	15	-	[+]		
STRA0045-1	*Training in scientific communication* - Monique CARNOL, Patrick DAUBY - [50h Internship]	Q2	-	-	[+]	**4**

Choose courses totalling 12 ECTS from the following :

Biochemistry and Molecular and Cell Biology						
BIOC0210-5	*Functional properties of biological macromolecules* - André MATAGNE - [10h Mon. WS]	Q1	20	-	[+]	**3**
BIOC0720-2	*Structure of biological macromolecules* - Paulette CHARLIER - [5h Mon. WS]	Q1	15	-	[+]	**2**
BIOC0721-1	*Optical properties of biological macromolecules* - Christian DAMBLON, André MATAGNE	Q1	15	-	-	**2**
BIOC0709-4	*Bioenergetics* - Pierre CARDOL, Fabrice FRANCK	Q1	20	-	-	**2**
GENE0001-4	*Genetic engineering* - Jacques DOMMES	Q1	20	-	-	**2**
BIOL0008-1	*Bioinformatics* - Denis BAURAIN	Q1	25	-	-	**3**
BIOL0009-1	*Molecular and cellular animal physiology* - Marc THIRY	Q1	15	-	-	**2**
BIOL0010-1	*Molecular and cellular plant physiology* - Patrick MOTTE	Q1	15	-	-	**2**
GENE0003-1	*Genomics* - Marc HANIKENNE	Q1	20	-	-	**2**
BIOC0003-2	*Biochemistry and physiology of the micro-organisms* - Bernard JORIS	Q1	20	-	-	**2**
BIOL0021-1	*Biology of the systems* - Patrick MEYER - [10h Mon. WS]	Q2	10	-	[+]	**1**
AESS0320-2	*Initiation to biology didactics* - MarieNoëlle HINDRYCKX	Q2	20	-	-	**2**
Biology of Organisms and ecology						
GENE0446-2	*Population genetics* - Johan MICHAUX, Claire REMACLE	Q1	25	15	-	**4**
BIOL0807-4	*Taxonomy and Phylogeny*	TA				**8**
	- *Plant part* - Emmanuël SÉRUSIAUX	20	15	-		
	- *Animal part* - Patrick DAUBY	40	30	-		
GENE0448-1	*Phylogenetic methods* - Denis BAURAIN	Q1	15	10	-	**2**
PALE0209-1	*Paleontology* - Philippe GERRIENNE, Emmanuelle JAVAUX, N... - Suppl : Valentin FISCHER	Q1	40	30	-	**8**
BIOL0808-2	*Functional morphology* - Eric PARMENTIER - [1d Vis.]		20	25	[+]	**4**
BIOL0809-1	*Ecophysiology, ethology* - Mathieu DENOËL, Claire PÉRILLEUX, JeanChristophe PLUMIER	Q1	40	30	-	**8**
BIOL0810-2	*Conservation Biology* - N..., Emmanuël SÉRUSIAUX - [1d FW]	Q2	40	20	[+]	**8**
BIOL0811-1	*Natural resources and ecosystem disruptions* - Monique CARNOL,	TA	40	30	[+]	**8**

	THOMÉ - [2d FW]					
BIOL0812-2	*Biogeography* - Johan MICHAUX, Alain VANDERPOORTEN - [4d FW]		40	-	[+]	**8**
Environmental management						
ENVT0031-2	*Society / Environment* - Dorothée DENAYER, François MELARD	Q2	24	12	-	**3**
ENVT0030-2	*Managing the environment* - JeanMarie HAUGLUSTAINE, François MELARD, Pierre M. STASSART	Q2	24	12	-	**3**
ENVT0034-1	*Environmental data management* - Philippe ANDRE, AnneClaude ROMAIN, Bernard TYCHON	TA	12	12	-	**2**
ENVT0013-3	*Assessment tools (impact assessment, LCA)* - Alain HANSON, Nathalie SEMAL	Q2	12	12	-	**2**
ENVT0848-3	*Impacts of human activities on ecosystems and including land use* - Dorothée DENAYER, Célia JOAQUIMJUSTO, Angélique LÉONARD, Roberto RENZONI	Q1	20	10	-	**2**

Notice : students who have chosen all classes in the 'Environmental Sciences and Management' module will have direct access to the 2nd year of the Masters in Environmental Sciences and Management, organised at the Arlon campus. Other students will also have access to the 2nd year of the Masters in Environmental Sciences and Management, on the condition that they follow classes corresponding to these 12 credits in addition to the 60 credits from this study year.