Université de Liège

Study programmes 2014-2015

Faculty of Sciences

Master en biochimie et biologie moléculaire et cellulaire, à finalité spécialisée en bio-industrie

First Year

Compulsory courses

		Or	Th	Pr	Au	Cr
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**
SSTG0009-1	*Placement or practical integrated work (including seminars)* - COLLÉGIALITÉ, Patrick MOTTE - [10w Internship]	TA	-	-	[+]	**20**

Optional courses

Choose, in accordance with the Jury, 1 option among :

Biochemistry

BIOC0722-1	*Application of spectroscopic techniques to the study of folding and stability of proteins* - André MATAGNE - [10h Mon. WS]	Q2	20	-	[+]	**3**
CHIM0687-1	*Introduction to protein NMR* - Christian DAMBLON - [10h Mon. WS]		10	-	[+]	**3**
GENE0432-4	*Genetic and biochemical aspects of evolution* - Moreno GALLENI, Claire REMACLE	Q2	30	-	-	**3**
BIOC0723-1	*Complement of bioenergetics* - Pierre CARDOL, Fabrice FRANCK		25	-	-	**3**
CHIM0688-1	*Mass spectrometry* - Edwin DE PAUW - [10h Mon. WS]	TA	15	-	[+]	**3**

Genetics

GENE0444-1	*Genetic engineering of pluricellular eukaryotes* - Jacques DOMMES	Q2	15	-	-	**3**
GENE0445-1	*Quantitative genetics* - Franck DEQUIEDT - [15h Mon. WS]		15	-	[+]	**3**
GENE0441-2	*organelle genetics* - Claire REMACLE	Q2	15	-	-	**2**
GENE0432-5	*Genetic and biochemical aspects of evolution* - Moreno GALLENI, Claire REMACLE	Q2	45	-	-	**5**
BIOC0710-3	*Metabolic pathways* - Fabrice FRANCK		15	-	-	**2**

Physiology and developmenal biology

BIOL0011-1	*Biology of animal development* - Bernard PEERS		25	-	-	**3**
BIOL0012-1	*Biology of plant development* - Claire PÉRILLEUX	Q2	25	-	-	**3**
BIOL0013-1	*Development of microorganisms* - Sébastien RIGALI		15	-	-	**2**
BIOL0014-1	*Dynamic molecular imaging* - Patrick MOTTE	Q2	20	-	-	**2**
BIOL0015-1	*Complement of molecular and cellular animal physiology* - Marc MULLER	Q2	20	-	-	**3**
BIOC0710-3	*Metabolic pathways* - Fabrice FRANCK		15	-	-	**2**

Microbiology and Immunology

MICR0002-1	*Immunology and vaccinology* - Jacques PIETTE, Catherine SADZOT	Q2	25	-	-	**3**
MICR0003-1	*Complement of microbiology : virology* - Jacques PIETTE	Q2	15	-	-	**2**
MICR0004-1	*Complement of microbiology : bacterial pathogenicity* - Bernard JORIS	Q2	15	-	-	**2**
MICR0005-1	*Complement of microbiology : Prostistology* - Denis BAURAIN	Q2	15	-	-	**2**
BIOL0013-1	*Development of microorganisms* - Sébastien RIGALI		15	-	-	**2**

MICR1713-1	*Extremophile microorganisms* - Georges FELLER, Moreno GALLENI, Annick WILMOTTE	Q2	15	-	-	**2**
CHIM0059-6	*Industrial Microbiology* - Patrick FICKERS		20	-	-	**2**

Second Year

Compulsory courses

SMEM0019-1	*Final thesis* - COLLÉGIALITÉ	TA	-	-	-	**25**
BIOL0022-1	*Introduction to intellectual property* - Nicole ANTHEUNIS - [10h Mon. WS]	Q1	10	-	[+]	**2**
BIOL0023-1	*Introduction to quality assurance* - Jacques DOMMES - [5h Mon. WS]	Q1	10	-	[+]	**1**
BIOC0717-2	*Applied Bioinformatics* - Bernard JORIS	Q1	20	-	-	**2**