

## First Year

### Compulsory courses

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
SSTG0009-1	<i>Placement or practical integrated work (including seminars)</i> - COLLÉGIALITÉ, Patrick MOTTE - [10w Internship]	TA	-	-	[+]	20

### Optional courses

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

#### Biochemistry

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

#### Genetics

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

#### Physiology and developmental biology

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

#### Microbiology and Immunology

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

MICR1713-1	<i>Extremophile microorganisms</i> - Georges FELLER, Moreno GALLEN, Annick WILMOTTE	Q2	15	-	-	2
CHIM0059-6	<i>Industrial Microbiology</i> - Patrick FICKERS		20	-	-	2

## Second Year

### Compulsory courses

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

### Compulsory courses

INFO0097-2	<i>Introduction to linux programming</i> - Denis BAURAIN - [60h Mon. WS]	TA	40	-	[+]	10
INFO0098-2	<i>Introduction to the modeling of biological systems</i> - Patrick MEYER - [25h Mon. WS]	Q2	25	-	[+]	5
INFO0099-2	<i>Introduction to databases for biology</i> - Denis BAURAIN - [30h Mon. WS]	Q2	20	-	[+]	5
INFO0094-3	<i>Introduction to algorithms in bioinformatics</i> - Denis BAURAIN, Patrick MEYER - [30h Mon. WS]	Q2	20	-	[+]	5
INFO0115-2	<i>Introduction to the analysis of biological data</i> - Patrick MEYER - [30h Mon. WS]	Q1	20	-	[+]	5