

## A single year

### The Higher Education degrees concerned by this preliminary programme are

- \* Bachelor in Agronomy
- \* Bachelor in Chemistry
- \* Bachelor in Agricultural Sciences (Possibly on Jury's decision programme exceeds 15 ECTS at the end of the admissions process)
- \* Bachelor in Industrial Sciences (Possibly on Jury's decision programme exceeds 15 ECTS at the end of the admissions process)

### Compulsory courses

BIOL0003-1	<i>Biology of pluricellular organisms</i>				<b>5</b>
	- <i>Animal</i> - MarieFrance VERSALI	15	15	-	
	- <i>Plant Biology</i> - Claire PÉRILLEUX	15	15	-	
BIOL0216-1	<i>Animal physiology</i> - JeanChristophe PLUMIER, Marc THIRY	60	30	-	<b>6</b>
BIOL0217-1	<i>Vegetal physiology</i> - Patrick MOTTE, Claire PÉRILLEUX	40	25	-	<b>5</b>
IMMU0521-1	<i>Immunology</i> - Catherine SADZOT	20	15	-	<b>3</b>
LANG0082-1	<i>English 3 (english language)</i> - Clara BRERETON, Véronique DOPPAGNE, Ellen HARRY, ISLV	45	-	-	<b>4</b>
MICR0711-1	<i>Microbiology</i>				<b>7</b>
	- <i>Part 1 : Algology and mycology</i> - Denis BAURAIN	20	10	-	
	- <i>Part 2 : Bacteriology</i> - Bernard JORIS	20	10	-	
	- <i>Part 3 : Virology</i> - Jacques PIETTE	20	10	-	
PHIL1106-1	<i>Philosophy and bioethics</i>				<b>2</b>
	- <i>Part : Philosophy</i> - Julien PIERON	15	-	-	
	- <i>Part : Bioethics</i> - JeanMarie BOUQUEGNEAU	15	-	-	
STAT0203-1	<i>General statistics and data processing</i> - N... - Suppl : Adelin ALBERT	30	30	-	<b>6</b>

### Optional courses

Choose one option from the following :

#### Option Biochemistry and Molecular and Cellular Biology

GENE0210-1	<i>Genetics and molecular biology</i> - Franck DEQUIEDT	60	30	-	<b>8</b>
BIOC0209-4	<i>Chemistry of biological macromolecules, including thermodynamics of biological systems</i> - Moreno GALLEN, André MATAGNE - [4h Vis. Ind. Pl. ]	70	40	[+]	<b>10</b>
STRA0044-1	<i>Training in scientific communication</i> - Jacques DOMMES, Patrick MOTTE - [50h Internship]	-	-	[+]	<b>4</b>

#### Option Biology of Organisms and Ecology

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