

	Core curriculum, language or speciality block	ECTS	Module Title
<b>SEMESTER S1</b>			
12	Core curriculum	6	Tutored Project Setting-Up
		3	Biocomputing initiation and basic analyses
		3	Participation to scientific events
12	<b>Core curriculum volume</b>	<b>12</b>	<b>Core curriculum volume</b>
3	Language	3	<b>1 module (3 ECTS) to be chosen according to the student's origin</b>
3	Language	3	Language - English - Lansad
3		3	French as a foreign language - Lansad
3	<b>Language volume</b>	<b>3</b>	<b>Language volume</b>
15	<b>1 speciality block of your choice</b>		
15	Molecular and Structural Biology	6	Gene expression and protein biosynthesis
		3	Epigenetics
		3	Quantitative biological imaging
		3	Introduction to structural biology methods
		<b>15</b>	<b>Total Bloc MSB</b>
15	Cell and Genome Biology	6	Development and stem cells
		3	Cell research strategies
		3	Omics approaches in Microbiology
		3	Plant genome
		<b>15</b>	<b>Total Bloc CGB</b>
15	<b>Average volume of speciality blocks</b>	<b>15</b>	<b>Average volume of speciality blocks</b>
30	<b>Semester S1 totals</b>	<b>30</b>	<b>Semester S1 totals</b>
3	Diploma supplement	3	<b>1 module (3 ECTS to choose from)</b>
		3	Language - English - Lansad
		3	Language - German - Lansad
<b>SEMESTER S2</b>			
30	Core curriculum	6	Tutored Project: Experimental Application
		3	Advanced Biocomputing Analyses
		9	Lab Internship Round 1
		9	Lab Internship Round 2
		<b>27</b>	<b>Core curriculum volume</b>
		3	Optional module (3 ECTS to choose from)
		3	RNA silencing

		3	The cancer cell: characteristics and study model
		3	Cell and tissmodule imaging
		3	Genome 3D organization and regulation
		3	Structure determination: from experimental measurements to atomic models
		3	Plant Chemical Ecology
		3	<b>Average volume of optional module</b>
30	<b>Semester S2 totals</b>	30	<b>Semester S2 totals</b>
60	<b>M1 year totals</b>	60	<b>M1 year totals</b>
<b>SEMESTER S3</b>			
30	Core curriculum	6	Tutored Project: Data Exploitation
		3	Initiation to intellectual property and entrepreneurship
		3	Organization of a Scientific Event
		3	Ethics, philosophy and history of science
		9	Preparing S4 internship in iBioS
		24	<b>Core curriculum volume</b>
		6	Optional module (6 ECTS to choose from)
		3	Advanced image processing
		3	Plant Bioengineering
		6	Development and stem cells
		3	Cell research strategies
		3	Epigenetic
		3	Neuroimmunology
		6	Gene expression and protein biosynthesis
		3	Diversity and metabolism of micro-organisms
		6	Molecular Physiology of Prokaryotes
		6	<b>Average volume of optional module</b>
30	<b>Semester S3 totals</b>	30	<b>Semester S3 totals</b>
3	<b>Diploma supplement</b>	3	
		3	Design of experimental projects
<b>SEMESTER S4</b>			
30	<b>Core curriculum</b>	30	<b>S4 internship in iBioS</b>
30	<b>Semester S4 totals</b>	30	<b>Semester S4 totals</b>
60	<b>M2 year totals</b>	60	<b>M1 year totals</b>