

Curriculum Master of Science Program in Molecular Principles of Life

1 st Semester	Mandatory Course: Core Laboratory Skills in Life Sciences (6 ECTS)		Mandatory Course: Computational Applications in Life Sciences (6 ECTS)		Theories in Main Topic (6 ECTS)		Methods in Main Topic (6 ECTS)		Interdisciplinary (3 ECTS)	Interdisciplinary (3 ECTS)
	S	P	L	P	L	L	L	P	L / S / P / V	L / S / P / V
					L	S	S			
2 nd Semester	Advanced Theories in Main Topic (6 ECTS)		Advanced Methods in Main Topic (6 ECTS)		Research Course Main Topic (12 ECTS)				Interdisciplinary (3 ECTS)	Interdisciplinary (3 ECTS)
	L	L	L	P	Research Course		Group Seminar	L / S / P / V	L / S / P / V	
	L	S	S							
3 rd Semester	Specialized Theories in Main Topic (6 ECTS)		Specialized Methods in Main Topic (6 ECTS)		Research Course Main Topic (12 ECTS)				Interdisciplinary (3 ECTS)	Interdisciplinary (3 ECTS)
	L	L	L	P	Reseach Course		Group Seminar	L / S / P / V	L / S / P / V	
	L	S	S							
4 th Semester	Master's Project (27 ECTS)								Group Seminar (1.5 ECTS)	Colloquia (1.5 ECTS)
	Master's Thesis (26 ECTS)						Master's Thesis Disputation (1 ECTS)	Attendance Working Group Seminar	Attendance at 20 Scientific Colloquia	

Main Topics

Animal Physiology

Cell Biology

Computational Biology

Evolution & Ecology

Genetics & Genomics

Microbiology

Plant Sciences

L: Lecture

S: Seminar

P: Practical Course

V: Vocational Course