



Master of Science in Biology

MICROBIOLOGY (MICROBIO)

Academic contact:

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Code	Course	ECTS	Semesters A/P/AN
14B012	Scientific Writing and Communication (mandatory)	4	A
14B673	Pré-stage equivalent to 320h (pre-internship)	16	P

Core courses (6-17 ECTS)

14B672*	Computer Skills for Biological Research	4	February
14F001	Elements of Bioinformatics	5	A
14B063A*	Microscopy and Imaging	3	A
14B057A (1)	Statistics & Probability	3	A
14B951* (1)	Applied Statistics Practicum	2	P
(1) At least one of the 2 statistics courses			

MICROBIO Mandatory courses (16 ECTS)

14B082	Master course in Microbiology	8	AN
14B010	Principles of Cellular and Molecular Biology	8	AN

ELECTIVE COURSES (7-18 ECTS)

14B026*	Microbial ecology of alpine fresh water (practical training)	3	P
14B041	Microbial hydrobiology: Natural and built environment, ecological aspects and effects on climate change	3	P
14B641	Microbial hydrobiology: Ecology of stratification (practical training)	4	P
14B053	Molecular microbiology of aquatic environments: Detection and typing of microorganisms	3	P
14B044*	Electron Microscopy	4	P
13B014*	Microbiologie Générale II (Microbio Gén. I incompatible avec le planning)	3	P
13B013*	Le système immunitaire	6	AN
223O508	Les antibiotiques et la résistance bactérienne	3	A
223O513*	Introduction à la recherche en virologie	3	A
223O542*	Bactériophages et bactérie, une boîte à outils pour la biotechnologie et la médecine	3	P

IMPORTANT: additional elective courses, not included in the list, can also be taken in agreement with the orientation coordinator.