

Master of Science in Biology

Bioinformatics and Data Analysis in Biology (BIADB)

Academic contacts :

Alicia Sanchez-Mazas (po) – alicia.sanchez-mazas@unige.ch

Dpt of Genetics & Evolution, Unité d'Anthropologie

Frédérique Lisacek (mer) – frederique.lisacek@sib.swiss

Centre Universitaire d'Informatique (CUI), Dpt d'Informatique.

Code	Course	ECTS	Semesters A/P/AN
Mandatory safety days ! Registration will take place in November for the autumn semester and in March for the spring semester.			
14B012	Scientific Writing and Communication (mandatory)	4	A
14B673	Pré-stage equivalent to 320h (pre-internship)	16	P
BIADB Mandatory courses (11.5 ECTS + 12 ECTS from core courses = 23.5 ECTS)			
14B672*	Computer Skills in Biological Research (core course)	4	A
14F001	Elements of Bioinformatics (core course)	5	A
14B057A	Statistics and Probability (core course)	3	A
14B637	Molecular Population Genetics	5	A
14B057P	Statistics and Probability	3	P
12X020*	Programmation *except if this course (or equivalent) has been validated during the BA	3,5	A
BIADB Elective courses (to bring to a total of 60 ECTS)			
14B072	Introduction to Glycobiology	3	P
14B657	Phylogeny and Molecular Evolution	5	AN
14B751	Research Methodology in Biology	3	P
14B951	Applied Statistics Practicum	2	P
11X001 *	Introduction à la Programmation des Algorithmes	6	A
14F012	Elements of Proteomics and Metabolomics : Translation to human diseases	3	P
14F018	Bioinformatics for Interpreting Functional - omics data	4	P
14X015	Modeling and Simulation of Natural Phenomena	5	P
		60	

*Pre-registration required with the course instructor. Please check the "programme des cours" website for registration details.

A = Automne, Autumn / P = Printemps, Spring / AN = Annuel, Annual

* Lectures given in French