

Master Programme in Bioinformatics 2022/2023

	Autumn '22		Spring '23	
	Period 1 220829-221030	Period 2 221031-230115	Period 3 230116-230319	Period 4 230320-230604
Courses during the first year	Biology Background		Both Backgrounds	
	Introduction to Bioinformatics, 10 credits (1MB438)		Molecular Evolution, 5 credits (1MB461)	Genome Analysis, 10 credits (1MB462)
	Computer Programming I, 5 credits (1TD433)	Database Design I, 5 credits (1DL301)	Knowledge-Based Systems in Bioinformatics, 5 credits (1MB416)	Big Data in Life Sciences, 5 credits (3FB034)
	Introduction to Statistics for Life Sciences, 5 credits (1MB465)	Computational Methods for Scientific Applications, 5 credits (1TD047)	Statistical Inference for Technological Applications, 5 credits (1TS325)	
	Computer Science Background			
	Introduction to Bioinformatics, 10 credits (1MB438)			
	Introduction to Molecular Biology, Genetics and Evolution, 15 credits (1MB439)			
	Introduction to Statistics for Life Sciences, 5 credits (1MB465)			
Courses during the second year	Both Backgrounds			
	Phylogenetic Analysis, 5 credits (1MB515)	Applied Bioinformatics, 15 credits (1MB519)	Degree Project E in Bioinformatics, 30 credits (1MB830)	
	Population Genomic Analysis, 10 credits (1MB517)	Degree Project E in Bioinformatics, 45 credits (1MB745)		
	Statistical Inference for Technological Applications, 5 credits (1TS325)			
	Knowledge-Based Systems in Bioinformatics, 5 credits (1MB416)			
	Proteomics and Metabolomics, 5 credits (1KB162)			
Optional courses**	Literature Project in Bioinformatics, 5 credits (1MB782)		<p>* (1MB720) Degree project D in Bioinformatics is only for students studying towards a one-year master. ** Optional courses are given in different periods and can replace other courses in the programme.</p> <p>Note that an MSc degree may contain max 30 credits from basic level courses</p>	
	Literature Project in Bioinformatics, 10 credits (1MB783)			
	Research Training in Bioinformatics, 10 credits (1MB840)			
	Research Training in Bioinformatics, 15 credits (1MB841)			
	Research Training in Bioinformatics, 20 credits (1MB842)			
	Degree Project D in Bioinformatics, 15 credits (1MB720)*			
	Computer Assisted Image Analysis I, 5 credits (1TD396)			
	Scientific Visualisation, 5 credits (1TD389)			
Algorithms and Data Structures I, 5 credits (1DL210)				