

Tabulka I

Bachelor Cross-Border Study in Bioinformatics - Study Plan

Block Semest.	Computer Science	ECTS	Mathematics	ECTS	Bioinformatics	ETCS	Chemistry	ECTS	Biology	ETCS	Others	ETCS	Total ECTS	Notes
1.	Procedural Programming in C/C++	4	Calculus I	6					Molecular Biology and Genetics	3			24	Budweis
	Algorithms and Data Structures	3	Linear Algebra	3					Biology of microorganisms	5				
2.	Bash Programming	3	Calculus II	8	Introduction to Bioinformatics	5	General Chemistry	3	Diversity of life	5	Academic Writing I	2	32	Budweis
									Introduction to Genomics	3	Ethics	3		
3.	Software Engeneering	4	Computational Mathematics and Simulation	3	Microarrays / Gene Expression	6	Instrumental Analysis for Life Science	4					27	Linz
	Information Systems	4			Structural Bioinformatics	6								
4.	Introduction to R	6	Discreet Mathematics	3	Machine Learning and Bioinformatics	9	Organic Chemistry	6					28	Linz
							Biochemistry	4						
5.	Parallel Programming	4	Biostatistics	6	Bioinformatics Project	8	Methods and Appl. of Molecular Modelling	4	Molecular Phylogenetics	6			28	Budweis
6.	Intro to Parallel and Distrib. Computing	3			Bachelor Seminar	2							19	Linz
					Bachelor Thesis	12					Presentation in English	2		
Total ECTS		31		29		36		21		22		7	158	