

Annex 1: Global map of study subjects - Bachelor's Program in Bioinformatics (2016)

1 st Semester (WS)		2 nd Semester (SS)		3 rd Semester (WS)		4 th Semester (SS)		5 th Semester (WS)		6 th Semester (SS)	
USB Budweis		USB Budweis		JKU Linz		JKU Linz		USB Budweis		JKU Linz	
Subject/Module	ECTS	Subject/Module	ECTS	Subject/Module	ECTS	Subject/Module	ECTS	Subject/Module	ECTS	Subject/Module	ECTS
Procedural Programming	4	Working with Operating Systems	3	Software Engineering and Information Systems	3	Software Engineering and Information Systems	3	Parallel Programming	4	Software Engineering and Information Systems	6
Algorithms and Data Structures	4	Calculus II	6	Genome Analysis & Transcriptomics and Structural Bioinformatics	9	Introduction to R	3	Biostatistics	5	Bachelor's Thesis	6
Calculus I	6	Introduction to Bioinformatics	6	Machine Learning	4,5	Genome Analysis & Transcriptomics and Structural Bioinformatics	6	Bioinformatics Project	8	Area of Specialisation (USB/JKU)	11,1
Linear Algebra	3	Diversity of life	5	Bioanalytics	4,5	Organic Chemistry	2,6	Methods and Applications of Molecular Modelling	4	Bachelor's Examination (USB)	4
Biology of Microorganisms	5	Introduction to Genomics	3	Organic Chemistry	3	Gender Studies	3	Molecular Phylogenetics	6	Free Electives	3
Molecular Biology and Genetics	3	General Chemistry	3	English for Scientists	3,2	English for Scientists	1,6	Area of Specialisation	3		
Free Electives	3	Academic Writing for Cross Border Studies	3	Area of Specialisation	3	Area of Specialisation	7,5				
		Ethics	3			Free Electives	3				
28		32		30,2		29,7		30		30,1	

Total: 180,00