

Annex 1: Global map of study subjects - Bachelor's Program in Bioinformatics (2018)

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
Python Basics	4	Applied Programming	3	Information Systems	6	Introduction to R	3	Parallel Programming	4	Information Systems	6
Algorithms and Data Structures	4	Calculus II	5	Genome Analysis & Transcriptomics and Structural Bioinformatics	9	Genome Analysis & Transcriptomics and Structural Bioinformatics	6	Biostatistics	5	Bachelor's Thesis	6
Calculus I	6	Probability and mathematical statistics I	3	Machine Learning	3	Organic Chemistry	3	Bioinformatics Project	8	Area of Specialisation (USB/JKU)	9,5
Linear Algebra	3	Introduction to Bioinformatics	6	Bioanalytics	4,5	Gender Studies	3	Computational Chemistry and Molecular Modelling of Biomolecules	4	Bachelor's Examination (USB)	4
Biology of Microorganisms	5	Diversity of life	5	Organic Chemistry	3	Area of Specialisation	9	Molecular Phylogenetics	6	Free Electives	3
Molecular Biology and Genetics	3	Introduction to Genomics	3	English for Scientists	3	Free Electives	3	Area of Specialisation	3		
Ethics	3	General Chemistry	3	Area of Specialisation	4			Free Electives	3		
		Academic Writing for Cross Border Studies	3								
28		31		32,5		27		33		28,5	

Total: 180,00