

**Table 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.	Python Basics	4	Calculus I	6					Molecular Biology and Genetics	3	Ethics	3	28	Budweis
	Algorithms and Data Structures	4	Linear Algebra	3					Biology of microorganisms	5				
2.	Applied Programming	3	Calculus II	5	Introduction to Bioinformatics	6	General Chemistry	3	Diversity of life	5	Academic Writing I	3	31	Budweis
			Statistics Essentials	3										
3.	Software Engineering	3	Computational Mathematics and Simulation	3	Machine Learning: Supervised Techniques	5	Bioanalytics	5					28	Linz
	Information Systems	3												
4.	Introduction to R	3	Analytical Combinatorics	3	Genetics & Transcriptomics	3					Gender Studies	3	27	Linz
					Structural Bioinformatics	3								
5.	Parallel Programming	4	Biostatistics	5	Bioinformatics Project	8	Methods and Appl. of Molecular Modelling	4	Molecular Phylogenetics	6			27	Budweis / Linz
6.		3			Bachelor Seminar	2			Algebraic and Discrete Methods for Biology	3	Presentation in English	2	22	Linz / Budweis
					Bachelor Thesis	12								
<b>Total ECTS</b>		<b>27</b>		<b>28</b>		<b>30 12 (thesis)</b>		<b>21</b>		<b>25</b>		<b>20</b>	<b>163</b>	