

Student ID Number

Degree Program Number





## EXAMINATION RASTER BACHELOR'S PROGRAM BIOINFORMATICS

(1.10.2016 - updated 1.10.2019)

### Data of the Student

First name and Family name	
Phone number	
E-Mail	

### Computer Science [5]

Course	Code	Type	ECTS	Date	Grade
Python Basics [B]	1-5-1		4		
Algorithms and Data Structures [B]	1-5-2		4		
Applied Programming [B]	1-5-3		3		
<b>Information Systems</b>					
Information Systems for Bioinformatics [L]	675SEISISBK16	KV	6		
Informationssysteme 1 [L]	INBIPUEIFS1	UE	3		
Informationssysteme 1 [L]	INBIPVOIFS1	VL	3		
<b>Artificial Intelligence in Life Sciences</b>					
Artificial Intelligence in Life Sciences [L]	993TALSALSK19	KV	3		
Parallel Programming [B]	1-5-6		4		
			<b>30</b>		

### Mathematics [10]

Course	Code	Type	ECTS	Date	Grade
Calculus I [B]	1-10-1		6		
Linear Algebra [B]	1-10-2		3		
Calculus II [B]	1-10-3		5		
Biostatistics [B]	1-10-6		5		
Probability and mathematical statistics I [B]	1-10-7		3		
			<b>22</b>		

### Bioinformatics [15]

Course	Code	Type	ECTS	Date	Grade
Introduction to Bioinformatics [B]	1-15-1		6		

<b>Genome Analysis &amp; Transcriptomics and Structural Bioinformatics</b>					
Genome Analysis & Transcriptomics [L]	675GTSBGATK13	KV	3		
Sequence Analysis and Phylogenetics [L]	675GTSBSAPU16	UE	3		
	675GTSBSAPV16	VL	3		
Structural Bioinformatics [L]	675GTSBSTBK13	KV	3		
Topics in Genetics & Evolution [L]	675GTSBTGEK15	VL	3		
<b>Machine Learning</b>					
Artificial Intelligence [L]	INBIPVOAINT	VL	3		
Bioinformatics Project [B]	1-15-4		8		
			<b>32</b>		

### Chemistry [20]

Course	Code	Type	ECTS	Date	Grade
General Chemistry [B]	1-20-1		3		
<b>Bioanalytics</b>					
Bioanalytics I [L]	470WEBIBA1U14	UE	1,5		
	470WEBIBA1V14	VL	3		
<b>Organic Chemistry</b>					
Biochemistry [L]	290MAFSBICV18	VL	3		
Chemie für Physiker II [L]	LP2PCVOCHP2	VL	3		
Computational Chemistry and Molecular Modelling of Biomolecules [B]	1-20-4		4		
			<b>17,5</b>		

### Biology [25]

Course	Code	Type	ECTS	Date	Grade
Biology of Microorganisms [B]	1-25-1		4		
Introduction to Cell Biology [B]	1-25-2		1		
Molecular Biology and Genetics [B]	1-25-3		3		
Diversity of life [B]	1-25-4		5		
Introduction to Genomics [B]	1-25-5		3		
Molecular Phylogenetics [B]	1-25-6		6		
			<b>22</b>		

### Soft Skills [30]

Course	Code	Type	ECTS	Date	Grade
Academic Writing for Cross Border Studies [B]	1-30-1		3		
Ethics [B]	1-30-2		3		

Gender Studies:			3		
<b>English for Scientists</b>					
Scientific Writing and Presenting [L]	290GESKSWPK18	KV	3		
<b>12</b>					

**Area of Specialisation [35]**

Course	Code	Type	ECTS	Date	Grade
<b>25,5</b>					

**Bachelor's Thesis (incl. Bachelor's Seminar) [40]**

Course	Code	Type	ECTS	Date	Grade
Bachelor's Seminar	675BAARBASS13	SE	6		
<b>6</b>					

**Free Electives [45]**

Course	Code	Type	ECTS	Date	Grade
9					

Grades at USB		Grades at JKU	
excellent 1	—	sehr gut 1	
excellent minus 1-	—	sehr gut 1	
very good 2	—	gut 2	
very good minus 2-	—	befriedigend 3	
good 3	—	genügend 4	
unsatisfactory 4	—	nicht genügend 5	

First Part of the Bachelor's Exam:				
Second Part of the Bachelor's Exam (final state exam USB)			Date	Grade
First Subject (1-50):				
Second Subject (1-52):				
Third Subject (1-54):				

Date of last Exam	
passed / passed with distinction Linz, _____	
Student Signature	

Univ.-Prof. Dr. Stefan Koch eh.