

Master of Science in Bioinformatics Grades

Course	Grade	ECTS
Sequence Bioinformatics	1.0	9
Structure and Systems Bioinformatics	1.0	9
Algorithms in Bioinformatics	1.0	3
Bioinformatics Tools	1.0	3
Cheminformatics	1.0	6
Phylogeny and Evolution	1.0	6
Medical Data Science	1.3	6
Bioinformatics Tools	1.0	3
Massively Parallel Computing V	1.0	6
Probabilistic Machine Learning	1.0	9
Advanced Probabilistic Machine Learning - Modeling and Applications	1.7	6
Advanced Artificial Neural Networks	1.7	6
Mathematics for Machine Learning*	1.7	6(9)
Statistical Machine Learning*	(2.0)	(9)
Time Series*	(3.0)	(6)
Introduction to Computational Neuroscience	1.0	6
Computational Ecology	1.0	6
Advance Immunology	2.0	3
Astrobiology: life in extreme environments	1.7	3
Master thesis	1.0	30
		Total 120 (138)
		Grade 1.15

A star (*) indicates that the course was taken as an additional qualification (e.g., due to personal interest) or can only be partially accounted because of examination regulations. Official version can be found [here](#).

Undergraduate Degree in Bioinformatics Grades

Original Course Title (Ger)	Course (Eng)	Grade	ECTS
Informatik I	Computer Science I	1.0	9
Informatik II	Computer Science II	1.0	9
Theoretische Informatik	Theoretical computer science	1.0	9
Algorithmen	Algorithms	1.0	9
Teamprojekt	Teamproject	1.0	9
Grundlagen des maschinellen Lernens	Basics of machine learning	1.3	6
Mathematik I	Math I	1.0	9
Mathematik II	Math II	2.0	9
Mathematik III	Math III	1.7	9
Stochastik	Stochastic	2.0	6
Numerik für Mathematiker (*)	Numerics for Mathematicians	(3.3)	9
Einführung in die Bioinformatik	Introduction to Bioinformatics	1.0	3
Grundlagen der Bioinformatik	Basis of Bioinformatics	1.0	3
Grundlagen der Bioinformatik (SEM)	Grundlagen der Bioinformatics Seminar	1.0	3
Microbiome Analysis	Microbiome Analysis	1.3	6
Structure-Based Drug Design	Structure-Based Drug Design	1.0	6
BMZ (Biomoleküle und Zelle)	Biomolecules and cells	1.3	6
Mol. Biol. I (Zellbiologie und Genetik)	Cell Biology and Genetics	2.0	6
Mol. Biol. II (Mikrobiologie)	Microbiology	1.7	3
Einführung in die Immunologie	Introduction to Immunology	1.3	3
Chemie I	Chemistry I	2.0	9
Allg. Biochemie	General biochemistry	1.7	6
Tierphysiologie (Neurobiologie)	Animal Physiology (Neurobiology)	1.0	9

Physik. Chemie (Chemie II)
Bachelorarbeit

Physical chemistry
Bachelor thesis

1.7 6
1.3 15
Total 180
Grade **1.31**

A star (*) indicates that the course was taken as "Studium Professional", hence does not account for the overall grade. The official version can be found [here](#).
