

Exemplary and overlap free Curriculum
 (Mobility Window exemplary Stand: 03.05.2023)

Variant 1 with Specialization Areas Biomolecules and Organisms

Semester	Modules							Exams/ Credits	
1.	WZ2582 In vitro-Models in Cell Biology (Fundamental Modules) K + PRÄ (SL) 5 CP	WZ2589 Animal Biotechnology (Fundamental Modules) (2 CP)	WZ1335 Chemical Biology (Fundamental Modules) K 5 CP	CLA30230 Ethics and Responsibility (Interdisciplina ry Qualifications) M (SL) 3 CP	WZ0402 Structural Bioinformatics (Biomolecules Advanced Area) K 5 CP	WZ1575 Research Project Chemical Genetics (Specialization Area Organisms) LL 10 CP		6 30	
Mobility Window	LS20040 Biopharmaceu tical Process Technology (Fundamental Modules) (2 CP)		WZ2581 Plant bio- technology (Fundamental Modules) K 5 CP	WZ2580 Protein- Engineering (Fundamental Modules) K 5 CP	WZ3207 Nutrition and Microbe-Host Interactions (Fundamental Modules) K 5 CP	WZ1085 Science of Laboratory Animals (Specialization Area Organisms) K 5 CP	CS0076 Enzyme Engineering (Biomolecules Advanced Area) ÜL 5 CP	6 30	
3.		WZ2372 Pathogenic Microorganism s (Fundamental Modules) K 5 CP	WZ2381 Plant Systems Biology (Specialization Area Organisms) K 5 CP	WZ2172 Functional Proteomics (Biomolecules Advanced Area) LL 10 CP	WZ2026 Working under GLP Standards (Interdisciplina ry Qualifications) B 2 CP	WZ1696 Crop Genomics (Specialization Area Organisms) K 5 CP		6 30	
4.	WZ5907 Master's Thesis incl. Scientific Project Planning 30 CP							30	
Key	Light Blue = Fundamental Modules (elective) Grey = Specialization module (elective) Orange = Interdisciplinary Qualifications (elective) Dark Blue = required module Master's Thesis				CP = Credit Points K = written exam; M = oral exam LL = laboratory course; B = report SL = course work				

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Variant 2 with Specialization Areas Cells und Medicine

Semester	Modules							Exams/ Credits
1.	LS20040 Biopharmaceutical Process Technology (Fundamental Modules) (2 CP)	WZ2589 Animal Sciences (Fundamental Modules) (3 CP)	WZ2439 Proteomics: Analytical Basics and Biomedical Applications (Fundamental Modules) K + PRÄ 5 CP	ME2648 Molecular Oncology (Fundamental Modules) K + W (SL) 5 CP	WZ2402 Microbial Toxins in Food (Cell Specialization) K 5 CP	WZ2477 Research Project Molecular Virology (Medicine Specialization) LL 10 CP		6 30
2.	Mobility Window							
	K (3 CP) 5 CP	K (2 CP) 5 CP	MW1386 Industrial Bioprocesses (Fundamental Modules) K 5 CP	WZ3207 Nutrition and Microbe-Host Interactions (Fundamental Modules) K 5 CP	ME2413 Pharmacology und Toxicology for Students of Life Sciences (Medicine Specialization) K 5 CP	WZ0513 Research Project Cell biology (Cell Specialization) LL 10 CP		6 30
3.	WZ2372 Pathogenic Microorganisms (Fundamental Modules) K 5 CP	WZ2582 In vitro-Models in Cell Biology (Fundamental Modules) K + PRÄ (SL) 5 CP	LS20007 Introduction to Computational Neuroscience (Medicine Specialization) PRÄ 5 CP	ME2649 Molecular Oncology II (Medicine Specialization) ÜL 5 CP	WZ2629 Research Project Chemical Genetics LL 10 CP			6 30
4.	WZ5907 Master's Thesis incl. Scientific Project Planning 30 CP							30
Key	Light Blue = Fundamental Modules (elective) Grey = Specialization module (elective) Dark Blue = required module Master's Thesis				CP = Credit Points K = written exam; M = oral exam W = research paper LL = laboratory course; PRÄ = Presentation; ÜL = exercise			

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Variant 3 with Specialization Areas Technology/Industrial Application and Cells

Semester	Modules							Exams/ Credits	
1.	LS20040 Biopharmaceutical Process Technology (Fundamental Modules) (2 CP)	WZ2589 Animal Biotechnology (Fundamental Modules) (3 CP)	WZ2439 Proteomics: Analytical Basics and Biomedical Applications (Fundamental Modules) K + PRÄ 5 CP	ME2648 Molecular Oncology (Fundamental Modules) K + W (SL) 5 CP	WZ2402 Microbial Toxins in Food (Cell Specialization) K 5 CP	LS20005 Models in Computational Neuroscience LL 10 CP		6 30	
2.	Mobilitätsfenster								
	K (3 CP) 5 CP	K (2 CP) 5 CP	K 5 CP	K 5 CP	LL 10 CP	WZ3220 Molecular Sensory Science (interdisciplinary Qualifications) K 5 CP		6 30	
3.	WZ2372 Pathogenic Microorganisms (Fundamental Modules) K 5 CP	WZ2582 In vitro-Models in Cell Biology (Fundamental Modules) K + PRÄ (SL) 5 CP	WZ2619 Research Project: in silico Evolutionary Genetics of Plants and Pathogens (Technology/Industrial Application) B 10 CP	CIT5130001 Applied Statistics and Data Analysis (Technology/Industrial Application) K 5 CP	WZ8119 Systems BioMedicine (Technology/Industrial Application) PT 5 CP			6 30	
4.	WZ5907 Master's Thesis incl. Scientific Project Planning 30 CP								30
Key	Light Blue = Fundamental Modules (elective) Grey = Specialization module (elective) Orange = Interdisciplinary Qualifications (elective) Dark Blue = required module Master's Thesis				CP = Credit Points K = written exam; M = oral exam W = research paper LL = laboratory course; B = report; PT = project work				