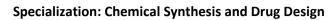
Study Plan (AIMS)





Name:	Year of Enrollment:		
Matricle Number:	Mentor:		

Winter Semester (1st Semester)		approx. 30 CP		
			СР	
Foundations	Compulsory	Introduction to AIMS	5	х
12. semester 26 CP (total)		Mathematics for Engineers A	8	Х
20 Cr (total)		Programming in Python and Python Lab	8	х
	Compulsory			
Specialization Chemical Synthesis and Drug Design 13. Semester 37 CP (total) Basic Module choose 1 of 2 (4 CP) Elective (16-20 CP)	Organometallic Chemistry	4		
		Advanced Inorganic Chemistry	8	
	2.000.70	Organic Synthesis Planning	4	
		Enzyme Engineering	10	
		Fundamentals of Protein Structure Analysis	10	
	(16-20 CP)	Advanced Theoretical Chemistry	8	
		Machine Learning in Computational Chemistry	8	
		A) Sum of achieved CP for Specialization		
Key Qualifications Compulsory				
13. Semester	55pui561 y	Ethics and Epistemology	5	Х
12 CP (total)	Elective	Elective Modules	7	

Summer Semester (2nd Semester)			approx. 30 CP	
Foundations			СР	
12. Semester	Compulsory	Scientific Software Engineering – Lab	5	Х
26 CP (total)				
Advanced Machine		Machine Learning for Data Science	5	
		Pattern Recognition	5	
Learning and Al 23. Semester	Elective	Computer Lab Pattern Recognition	5	
		Deep Learning Lab		
15 CP (total)		Methods of Uncertainty Analysis and Quantification	5	
Specialization	Compulsory Basic Module	Reaction Mechanisms	4	
Chemical Synthesis and	choose 1 of 2 (4 CP)			
13. semester				
37 CP (total)	Elective (16-20 CP)	Catalysis	8	
		Biomolecular Modelling	8	
		B) Sum of achieved CP for Specialization		
Key Qualifications				
13. Semester	Elective	Elective Modules	7	
12 CP (total)				

Winter Semester (3rd Semester)			approx.	30 CP
Advanced Machine			СР	
Learning and Al		Pattern Recognition		
23. Semester	Elective	(offered in German in winter semester)	5	
15 CP (total)		Computer Lab Pattern Recognition	5	
		Advanced Inorganic Chemistry	8	
	Elective (16-20 CP)	Organic Synthesis Planning	4	
		Enzyme Engineering	10	
Specialization		Fundamentals of Protein Structure Analysis	10	
Chemical Synthesis		Advanced Theoretical Chemistry	8	
and Drugs 13. Semester		Machine Learning in Computational Chemistry	8	
		C) Sum of achieved CP for Specialization		
37 CP (total)				
	Compulsory	Research Lab	13-17	Х
	(13-17 CP)	37 CP - (A + B + C) = CP Research Lab		
Key Qualifications	Compulsory	Ethics and Enistemalogy	T 5	Х
13. Semester		Ethics and Epistemology		^
12 CP (total)	Elective	Elective Modules	7	
		1		

Summer Semester (4th Semester)		approx	approx. 30 CP	
Master's Thesis			СР	•
4. Semester	Compulsory	Master's Thesis	30	Х
30 CP				-

120	СР	in	total

Date:					
	Signature Mentor:				