

Anlage 3a: Teilzeitmodellstudienplan für den Masterstudiengang Chemistry Studienrichtung *Applied Chemistry* (Studienbeginn im Wintersemester) _AFB 14.01.2025

SWS	1. Semester (WS)	2. Semester (SS)	3. Semester (WS)	4. Semester (SS)
1	Inorg. Synt. II 1 V (2 CP) Practical Course on Inorganic Chemistry 3 P (2 CP) Instrumental Analysis I 1 V (2 CP) Practical Course on Instrumental Analysis 3 P (3 CP) Mandatory Seminar Synthesizing Methods 2 S (2 CP) Interface Analysis 2 V (3 CP) Physical Chemistry of Colloids and Interfaces 2V (3 CP)	Inorganic Structural Chemistry II 3 V/U (4 CP)	Chemical Reaction Engineering 2 V (3 CP)	Practical Master Course 'Chemical Reaction Engineering' 6 P (7 CP) Mandatory Electives A (4 CP) Elective Module Cross-Cutting Topics of Modern Chemistry 4 SWS (4 CP)
2				
3		Practical Course in Advanced Organic Chemistry 7 P (5 CP)	Practical Course on Physical Chemistry Master 4 P (4 CP)	
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14				
15				
SWS:	14	14	14	13
CP:	17	13	15	15

SWS	5. Semester (WS)	6. Semester (SS)	7. Semester (WS)	
1	Mandatory Electives B (10CP)	Mandatory Practical Course I 5 P (6 CP)	Master Thesis + Colloquium (30 CP) 6 Month	
2				Mandatory Practical Course II 12 P (10 CP)
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7	Practical Research Course in the Sciencepool 5 P (4 CP)			
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SWS:	14	17	28 Σ 114	
CP:	14	16	30 Σ 120	

SWS: Semester hours per week ; CP: Credit Point im European Credit Transfer and Accumulation System (ECTS)

Anlage 3b: Teilzeitmodellstudienplan für den Masterstudiengang Chemistry Studienrichtung *Polymer Chemistry* (Studienbeginn im Wintersemester)

SWS	1. Semester (WS)	2. Semester (SS)	3. Semester (WS)	4. Semester (SS)	
1	Inorg. Synt. II 1 V (2 CP)	Inorganic Structural Chemistry II 3 V/Ü (4 CP)	Interface Analysis 2 V (3 CP)	Practical Master Course 'Chemical Reaction Engineering' 6 P (7 CP)	
2	Practical Course in Advanced Organic Chemistry 7 P (5 CP)				
3		Practical Course on Inorganic Chemistry 3 P (2 CP)	Practical Course on Physical Chemistry Master 4 P (4 CP)		
4					Design of Organic Synthesis 2 V 1 U (3 CP)
5		Macromolecular Kinetics and Process Technology 3 V/Ü (3 CP)	Chemical Reaction Engineering 2 V (3 CP)		
6					Modeling and Simulation in Polymer and Process Technology 2 V/Ü (2 CP)
7	Polymers at Interfaces 1 V (2 CP)	Modern Polymeric Materials 1 V (1 CP)			
8			Elective Module Cross-Cutting Topics of Modern Chemistry 2 SWS (2 CP)	Practical Research Course in the Sciencepool 5 P (4 CP)	
9	Instrumental Analysis I 1 V (2 CP)	Sem. Inorg. & Analyt.Chem. 1 S (1 CP)			
10			Practical Course on Instrumental Analysis 3 P (2 CP)	Mandatory Seminar Synthesizing Methods 2 S (3 CP)	
11	SWS: CP:	15 15			14 14

SWS	5. Semester (WS)	6. Semester (SS)	7. Semester (WS)					
1	Analysis of Polymers 1 V (2 CP)	Practical Course on Polymers I 5 P (5 CP)	Master Thesis + Colloquium (30 CP) 6 month					
2	Basics of Polymer Physics 1 V (2 CP)							
3	Elective Module Cross-Cutting Topics of Modern Chemistry 4 SWS (4 CP)	Practical Course on Polymers II 12 P (10 CP)						
4				Plastics Processing I & II 6 V/Ü (6 CP)				
5	SWS: CP:				11 14	17 15	30 30	Σ 114 Σ 120