

Anlage 2a: Modellstudienplan 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)	Inorganic Structural Chemistry II 3 V/Ü (4 CP)	Mandatory Electives B (10CP)	Master Thesis + Colloquium (30 CP) 6 Month
2	Practical Course on Inorganic Chemistry 3 P (2 CP)			
3	Instrumental Analysis I 1 V (2 CP)	Sem. Inorg. & Analyt.Chem. 1 S (1 CP)		
4		Practical Course in Advanced Organic Chemistry 7 P (5 CP)		
5	Practical Course on Instrumental Analysis 3 P (3 CP)			
6				
7	Interface Analysis 2 V (3 CP)			
8		Design of Organic Synthesis 2 V 1 Ü (3 CP)		
9	Practical Course on Physical Chemistry Master 4 P (4 CP)			
10		Practical Master Course 'Chemical Reaction Engineering' 6 P (7 CP)		
11	Mandatory Practical Course II 12 P (10 CP)			
12		Physical Chemistry of Colloids and Interfaces 2V (3 CP)		
13	Chemical Reaction Engineering 2 V (3 CP)			
14		Mandatory Electives A (4 CP)		
15	Mandatory Practical Course I 5 P (6 CP)			
16		Mandatory Electives A (6 CP)		
17	Elective Module Cross-Cutting Topics of Modern Chemistry 4 SWS (4 CP)			
18		Elective Module Cross-Cutting Topics of Modern Chemistry 2 SWS (2 CP)		
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SWS:	26	28	30	30 <b>Σ 114</b>
CP:	30	30	28	32 <b>Σ 120</b>

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



: Mobilitätsfenster:

geeignet für Auslandsaufenthalt. Frühzeitige Rücksprache mit dem Studienfachberater empfohlen.

Anlage 2b: Modellstudienplan für den Masterstudiengang Chemistry *Studienrichtung Polymer 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)	Inorganic Structural Chemistry II 3 VÜ (4 CP)	Plastics Engineering 4 VÜ (6 CP)	Master Thesis + Colloquium (30 CP) 6 month	
2	Practical Course on Inorganic Chemistry 3 P (2 CP)				
3	Instrumental Analysis I 1 V (2 CP)	Sem. Inorg. & Analyt.Chem. 1 S (1 CP)			
4		Practical Course in Advanced Organic Chemistry 7 P (5 CP)	Practical Research Course in the Sciencepool 5 P (4 CP)		
5	Practical Course on Instrumental Analysis 3 P (3 CP)		Practical Course on Polymers II 12 P (10 CP)		
6	Mandatory Seminar Synthesizing Methods 2 S (2 CP)				
7	Interface Analysis 2 V (3 CP)	Design of Organic Synthesis 2 V 1 U (3 CP)			
8	Practical Course on Physical Chemistry Master 4 P (4 CP)				Practical Master Course 'Chemical Reaction Engineering' 6 P (7 CP)
9		Physical Chemistry of Colloids and Interfaces 2V (3 CP)			
10	Chemical Reaction Engineering 2 V (3 CP)	Polymers at Interfaces 1 V (2 CP)			
11	Modern Aspects of Polymer Chemistry 3 V (3 CP)	Macromolecular Kinetics and Process Technology 3 VÜ (3 CP)			Elective Module Cross-Cutting Topics of Modern Chemistry 4 SWS (4 CP)
12		Analysis of Polymers 1 V (2 CP)			
13	Basics of Polymer Physics 1 V (2 CP)	Modeling and Simulation in Polymer Reaction Engineering 2 VÜ (2 CP)			Practical Course on Polymers I 5 P (6 CP)
14		Elective Module Cross-Cutting Topics of Modern Chemistry 2 SWS (2 CP)			
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SWS:	25	28	31	30 $\Sigma$ 114	
CP:	31	29	30	30 $\Sigma$ 120	

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



: Mobilitätsfenster: geeignet für Auslandsaufenthalt. Frühzeitige Rücksprache mit dem Studienfachberater empfohlen.