

Anlage 2c: Modellstudienplan für den Masterstudiengang Chemistry *Studienrichtung Applied Chemistry* (Studienbeginn im Sommersemester) _AFB 14.01.2025

SWS	1. Semester (SS)	2. Semester (WS)	3. Semester (SS)	4. Semester (WS)		
1	Inorganic Structural Chemistry II 3 V/U (4 CP)	Inorg. Synt. II 1 V (2 CP)	Mandatory Electives B (10CP)	Master Thesis + Colloquium (30 CP) 6 Month		
2					Practical Course on Inorganic Chemistry 3 P (2 CP)	
3						
4						Sem. Inorg. & Analyt.Chem. 1 S (1 CP)
5	Practical Course in Advanced Organic Chemistry 7 P (5 CP)	Instrumental Analysis I 1 V (2 CP)			Practical Research Course in the Sciencepool 5 P (4 CP)	
6						Practical Course on Instrumental Analysis 3 P (3 CP)
7						
8		Mandatory Seminar Synthesizing Methods 2 S (2 CP)				
9						
10		Design of Organic Synthesis 2 V 1 U (3 CP)				Interface Analysis 2 V (3 CP)
11			Practical Course on Physical Chemistry Master 4 P (4 CP)			
12						
13	Physical Chemistry of Colloids and Interfaces 2 V (3 CP)					
14		Chemical Reaction Engineering 2 V (3 CP)				
15	Practical Master Course 'Chemical Reaction Engineering' 6 P (7 CP)		Mandatory Electives A (6 CP)			
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20	Mandatory Electives A (4 CP)					
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22	Mandatory Practical Course I 5 P (6 CP)	Elective Module Cross-Cutting Topics of Modern Chemistry 4 SWS (4 CP)	Elective Module Cross-Cutting Topics of Modern Chemistry 2 SWS (2 CP)			
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SWS:	28	26	30	30 Σ 114		
CP:	30	30	28	32 Σ 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.

Anlage 2d: Modellstudienplan für den Masterstudiengang Chemistry *Studienrichtung Polymer Chemistry* (Studienbeginn im Sommersemester) _AFB 14.01.2025

SWS	1. Semester (SS)	2. Semester (WS)	3. Semester (SS)	4. Semester (WS)
1	Inorganic Structural Chemistry II 3 V/U (4 CP)	Inorg. Synt. II 1 V (2 CP)	Practical Research Course in the Sciencepool 5 P (4 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)		
4		Sem. Inorg. & Analyt.Chem. 1 S (1 CP)		
5	Practical Course in Advanced Organic Chemistry 7 P (5 CP)	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)		
8		Practical Course on Physical Chemistry Master 4 P (4 CP)		
9		Physical Chemistry of Colloids and Interfaces 2 V (3 CP)		
10		Chemical Reaction Engineering 2 V (3 CP)		
11		Design of Organic Synthesis 2 V 1 Ü (3 CP)		
12	Practical Master Course 'Chemical Reaction Engineering' 6 P (7 CP)	Modern Aspects of Polymer Chemistry 3 V (3 CP)		
13		Analysis of Polymers 1 V (2 CP)		
14		Basics of Polymer Physics 1 V (2 CP)		
15	Polymers at Interfaces 1 V (2 CP)	Elective Module Cross-Cutting Topics of Modern Chemistry Elective Module Cross-Cutting Topics of Modern Chemistry 6 SWS (6 CP)		
16	Macromolecular Kinetics and Process Technology 3 V/Ü (3 CP)			
17	Modeling and Simulation in Polymer Reaction Engineering 2 V/Ü (2 CP)	Practical Course on Polymers I 5 P (6 CP)		
18	Plastics Engineering 4 V/Ü (6 CP)			
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31				
SWS:	30	25	29	30 Σ 114
CP:	33	31	26	30 Σ 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.