


**Enclosure 2a: Model Study Plan for the Master program Chemistry Field of study Applied Chemistry (commencement in winter semester)** -AFB 03.05.2022

SWS	1. Semester (WS)	2. Semester (SS)	3. Semester (WS)	4. Semester (SS)
1	Inorg. Synt. Chem II 1 V (2 CP)	Inorganic Structural Chemistry II 3 V/U (4 CP)	Mandatory Electives B (11 CP)	Master Thesis + Colloquium (30 CP) 6 Month
2	Practical Course on Inorganic Chemistry 3 P (2 CP)			
3		Instrumental Analysis I 1 IV(2 CP)		
4	Practical Course on Instrumental Analysis 3 P (2 CP)			
5		Mandatory Seminar Synthesizing Methods 2 S (3 CP)		
6	Design of Organic Synthesis 2 V 1 U (3 CP)			
7		Surface Analysis 2 V (3 CP)		
8	Practical Course on Physical Chemistry Master 4 P (4 CP)			
9		Practical Master Course 'Chemical Reaction Engineering' 6 P (7 CP)		
10	Mandatory Electives A (4 CP)			
11		Mandatory Practical Course I 5 P (5 CP)		
12	Mandatory Practical Course II 12 P (10 CP)			
13		Physical Chemistry of Colloids and Interfaces 2V (3 CP)		
14	Chemical Reaction Engineering 2 V (3 CP)			
15		Elective Module Cross-Cutting Topics of Modern Chemistry 4 SWS (4 CP)		
16	Elective Module Cross-Cutting Topics of Modern Chemistry 2 SWS (2 CP)			
17		Mandatory Electives A (7 CP)		
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SWS:	26	28	30	30 $\Sigma$ 114
CP:	31	29	28	32 $\Sigma$ 120


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

 **Mobility window:** suitable for studies abroad. It is advisable to consult with your academic advisor early.

**Enclosure 2b: Model Study Plan for the Master program Chemistry Field of study  
Polymer Chemistry (commencement in winter semester)** AFB 03.05.2022

SWS	1. Semester (WS)	2. Semester (SS)	3. Semester (WS)	4. Semester (SS)
1	Inorg. Synt. Chem II 1 V (2 CP)	Inorganic Structural Chemistry II 3 V/U (4 CP)	Plastics Processing I & II 6 V/U (6 CP)	Master Thesis + Colloquium (30 CP) 6 month
2	Practical Course on Inorganic Chemistry 3 P (2 CP)	Sem. Inorg. & Analyt.Chem. 1 S (1 CP)		
3	Instrumental Analysis I 1 IV(2 CP)	Practical Course in Advanced Organic Chemistry 7 P (5 CP)		
4	Practical Course on Instrumental Analysis 3 P (2 CP)	Design of Organic Synthesis 2 V 1 U (3 CP)		
5	Mandatory Seminar Synthesizing Methods 2 S (3 CP)	Practical Master Course 'Chemical Reaction Engineering' 6 P (7 CP)		
6	Surface Analysis 2 V (3 CP)	Polymers at Interfaces 1 V (2 CP)		
7	Practical Course on Physical Chemistry Master 4 P (4 CP)	Modern Polymeric Materials 1 V (1 CP)		
8	Physical Chemistry of Colloids and Interfaces 2V (3 CP)	Macromolecular Kinetics and Reaction Engineering 3 V/U (3 CP)		
9	Chemical Reaction Engineering 2 V (3 CP)	Modeling and Simulation in Polymer Reaction Engineering 2 V/U (2 CP)		
10	Modern Aspects in Polymer Chemistry 2 V (3 CP)	Practical Course on Polymers I 5 P (5 CP)		
11	Physical Chemistry of Polymers 3 V (4 CP)			
12	Pract. Course 'PC Polymers' 1 P (1 CP)			
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SWS:	26	32	27	30 $\Sigma$ 115
CP:	32	33	23	32 $\Sigma$ 120

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

: **Mobility window:** suitable for studies abroad. It is advisable to consult with your academic advisor early.