

## Master Polymer Chemistry (066/497)

### Detaillierung StHB - Version: 2018W

<b>Gliederungsfach: Bridge Subject Polymer Chemistry</b>					17,5- 24,9	497BRFA18
<b>FACH: Bridge subject Polymer Chemistry for Chemists</b>					17,5	497BRTC18
Typ	Titel	Std.	ECTS	Klassencode		
VL	Structural Rheology for Chemistry	2	2,6	497PHCHSTRV13	äquivalent	
VL	Physikalische Chemie Makromolekularer Stoffe	3	3,9	491WPHCPCMV10	äquivalent	
		5	6,5			
<b>Gliederungsfach: Bridge s. Polymer Chemistry for Biolog. Chem.</b>					23,5	497BRBC18
Typ	Titel	Std.	ECTS	Klassencode		
VL	Structural Rheology for Chemistry	2	2,6	497PHCHSTRV13	äquivalent	
VL	Physikalische Chemie Makromolekularer Stoffe	3	3,9	491WPHCPCMV10	äquivalent	
		5	6,5			

### Detaillierung StHB - Version: 2019W

<b>FACH: Bridge subject Polymer Chemistry</b>					18,5/ 24,5/ 22,5	497BRFA19
<b>FACH: Bridge subject Polymer Chemistry for Bachelors of CCT</b>					18,5	497BRCH19
Typ	Titel	Std.	ECTS	Klassencode		
VL	Structural Rheology for Chemistry	2	3	497BRCHSTRV19		
VL	Physical Chemistry of Macromolecular Materials	3	4,5	491EMATPCMV19		
		5	7,5			
<b>FACH: Bridge subject Polymer Chemistry for Biological Chemists</b>					24,5	497BRBC19
Typ	Titel	Std.	ECTS	Klassencode		
VL	Structural Rheology for Chemistry	2	3	497BRCHSTRV19		
VL	Physical Chemistry of Macromolecular Materials	3	4,5	491EMATPCMV19		
		5	7,5			

<b>Gliederungsfach: Bridge s. Polymer Chemistry for Polym. Eng.</b>					24,9	497BRKT18
Typ	Titel	Std.	ECTS	Klassencode		
PR	Laboratory Course of Analytical, Inorganic and Organic Chemistry	12	14,4	497BRKTAOP13		
<i>Voraussetzung:</i> For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for polymer chemistry						
		12	14,4			

<b>FACH: Bridge subject Polymer Chemistry for Polymer Engineering and Technologies</b>					22,5	497BRPE19
Typ	Titel	Std.	ECTS	Klassencode		
PR	Laboratory Course of Analytical Chemistry	4	4	497BRPEANCP19		
<i>Voraussetzung:</i> For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for polymer chemistry						
PR	Laboratory Course of Inorganic Chemistry	4	4	497BRPEINCP19		
<i>Voraussetzung:</i> For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for polymer chemistry						
PR	Laboratory Course of Organic Chemistry	4	4	497BRPEORCP19		
<i>Voraussetzung:</i> For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for polymer chemistry						
		12	12			

äquivalent

FACH: Advanced Chemistry for Polymer Chemistry					5	497ADCH14
Typ	Titel	Std.	ECTS	Klassencode		
VL	Catalysis by Metal Complexes	2	2,6	497ADCHMKKV10	äquivalent	
PR	Advanced Instrumental Analysis	2	2,4	491WACHAIAP10		
<p><i>Voraussetzung:</i> For safety reasons, at least 30 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for technical chemistry, polymer chemistry or biological chemistry</p>						

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FACH: Advanced Chemistry for Polymer Chemistry					5	497ADCH14
Typ	Titel	Std.	ECTS	Klassencode		
VL	Catalysis by Metal Complexes	2	3	497ADCHMKKV19	äquivalent	
PR	Advanced Instrumental Analysis	2	2	491EANAIAIP19		
<p><i>Voraussetzung:</i> For safety reasons, at least 25 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the Master's program in Chemistry and Chemical Technology, MCT, Polymer Chemistry or Biological Chemistry.</p>						

FACH: Physical Chemistry of Polymers					5,2	497PHCH14
Typ	Titel	Std.	ECTS	Klassencode		
VL	Elements of Structuring in Polymers	1	1,3	497PHCHESPV13	äquivalent	
PR	Praktikum aus Physikalischer Chemie II	2	2,4	491WPHCPC2P10		
<p><i>Voraussetzung:</i> For safety reasons, at least 32 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for technical chemistry or polymer chemistry</p>						

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FACH: Physical Chemistry of Polymers					5	497PHCH19
Typ	Titel	Std.	ECTS	Klassencode		
VL	Elements of Structuring in Polymers	1	1,5	497PHCHESPV19	äquivalent	
PR	Advanced Lab in Physical Chemistry I	2	2	491ESYNAP1P19		
<p><i>Voraussetzung:</i> For safety reasons, at least 25 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the Master's program in Chemistry and Chemical Technology, MCT or Polymer Chemistry.</p>						

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FACH: Polymer Chemistry					12,8	497POCH14
Typ	Titel	Std.	ECTS	Klassencode		
VL	Chemical Interactions in Polymers	1	1,3	497POCHCIPV10	äquivalent	
VL	Polymer Chemistry 2	2	2,6	497POCHPC2V10		
PR	Laboratory Course of Polymer Chemistry 2	5	6	497POCHPC2P10	äquivalent	
<p><i>Voraussetzung:</i> For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for technical chemistry, polymer chemistry or biological chemistry</p>						
VL	Technical Biopolymers	1	1,3	497POCHTBPV12	äquivalent	
UE	Exercises in Polymer Chemistry 2	1	1,6	497POCHPC2U10	äquivalent	

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FACH: Polymer Chemistry					12,5	497POCH19
Typ	Titel	Std.	ECTS	Klassencode		
VL	Chemical Interactions in Polymers	1	1,5	497POCHCIPV19	äquivalent	
VL	Polymer Chemistry 2	2	3	497POCHPC2V19		
PR	Laboratory Course of Polymer Chemistry 1	3	3	497POCHPC1P19	äquivalent	
<p><i>Voraussetzung:</i> For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for polymer chemistry, Polymer Technologies and Science, Management in Polymer Technologies, Chemistry and Chemical Technology or Management in Chemical Technologies</p>						
PR	Laboratory Course of Polymer Chemistry 2	2	2	497POCHPC2P19	äquivalent	
<p><i>Voraussetzung:</i> For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for polymer chemistry, Polymer Technologies and Science or Management in Polymer Technologies</p>						
VL	Technical Biopolymers	1	1,5	497POCHTBPV19	äquivalent	
UE	Exercises in Polymer Chemistry 2	1	1,5	497POCHPC2U19	äquivalent	

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FACH: Polymerization Techniques					9	497POTE14
Typ	Titel	Std.	ECTS	Klassencode		
VL	Polymerization Techniques	2	2,6	497POTEPOTV10	äquivalent	
PR	Lab Course in Polymerization Techniques	4	4,8	497POTEPOTP10		
<i>Voraussetzung:</i> For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for polymer chemistry or Doctoral program in Engineering Sciences or Natural Sciences					äquivalent	
UE	Exercises in Polymerization Techniques	1	1,6	497POTEPOTU10	äquivalent	
		7	9			

FACH: Polymerization Techniques					8,5	497POTE19
Typ	Titel	Std.	ECTS	Klassencode		
VL	Polymerization Techniques	2	3	497POTEPOTV19	äquivalent	
PR	Lab Course in Polymerization Techniques	4	4	497POTEPOTP19		
<i>Voraussetzung:</i> For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for polymer chemistry, Chemistry and Chemical Technology or Management in Chemical Technologies					äquivalent	
UE	Exercises in Polymerization Techniques	1	1,5	497POTEPOTU19	äquivalent	
		7	8,5			

FACH: Soft Skills for Master Polymer Chemistry					6,2	497SOSK16
Typ	Titel	Std.	ECTS	Klassencode		
VL	Excursion Polymer Chemistry	1	0,6	497SOSKEPCV10	äquivalent	
VL	Patent Law and Intellectual Property	2	2,6	491SOSKPLIV10	äquivalent	
SE	Global Management and Strategy	2	3	296MALEGMSS10	äquivalent	
		5	6,2			

FACH: Soft Skills for Master Polymer Chemistry					6,5	497SOSK19
Typ	Titel	Std.	ECTS	Klassencode		
VL	Excursion to Industry	1	0,5	491CTOMEXCV19	äquivalent	
VL	Patent Law and Intellectual Property	2	3	491SOSKPLIV19		
SE	Global Management and Strategy	2	3	296GMALGMSS19	äquivalent	
		5	6,5			

FACH: Electives Polymer Chemistry					14,9/ 16,3/ 22,3	497Wafa18
Typ	Titel	Std.	ECTS	Klassencode		
PR	Advanced Polymer Synthesis Lab Course	5	6	497WPMSAPSP10	äquivalent	
<i>Voraussetzung:</i> For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for polymer chemistry						
VL	Bionics - biomimetic Materials and Polymers	1	1,3	497WPMSBBMV10	äquivalent	
VL	Formulations of Polymers	1	1,3	497WPMSFOPV12	äquivalent	
VL	Functional Polymers	1	1,3	497WPMSFUPV10	äquivalent	
VL	Industrial characterization of polymers	2	2,6	497WPMSICPV11	äquivalent	
VL	Molecularly Imprinted Polymers	1	1,3	497WPMSMGPV10	äquivalent	
VL	Organic-Inorganic Hybrid Polymers	1	1,3	497WPMSHYPV16	äquivalent	
VL	Physics and Chemistry of Organic Semiconductors	2	2,6	497WPMSPCOV10	äquivalent	
VL	Polyolefins	1	1,3	497WPMSPOLV10	äquivalent	

FACH: Electives Polymer Chemistry					22/16/18	497ELPC19
Typ	Titel	Std.	ECTS	Klassencode		
PR	Advanced Polymer Synthesis Lab Course	5	5	497EPMSAPSP19	äquivalent	
<i>Voraussetzung:</i> For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for polymer chemistry or Polymer Technologies and Science						
VL	Bionics - biomimetic Materials and Polymers	1	1,5	497EPMSBBMV19	äquivalent	
VL	Formulations of Polymers	1	1,5	497EPMSFOPV19	äquivalent	
VL	Functional Polymers	1	1,5	497EPMSFUPV19	äquivalent	
VL	Industrial characterization of polymers	2	3	497EPMSICPV19	äquivalent	
VL	Molecularly Imprinted Polymers	1	1,5	497EPMSMGPV19	äquivalent	
VL	Organic-Inorganic Hybrid Polymers	1	1,5	497EPMSHYPV19	äquivalent	
VL	Physics and Chemistry of Organic Semiconductors	2	3	497EPMSPCOV19	äquivalent	
VL	Polyolefins	1	1,5	497EPMSPOLV19	äquivalent	

PR	Lab Course in Industrial characterization of polymers	2	2,4	497WPMSICPP11	↔ alt					
<i>Voraussetzung:</i> <i>For safety reasons, at least 6 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the master's program for polymer chemistry</i>										
SE	Science and Technology of Organic Semiconductors	1	1,6	497WPMSSTOS10	äquivalent	SE	Science and Technology of Organic Semiconductors	1	1,5	497EPMSSTOS19
VL	Special Topics of Polymer Chemistry	1	1,5	497WPMSSPCV15	äquivalent	VL	Special Topics of Polymer Chemistry	1	1,5	497EPMSSPCV19
VL	Synthesis and Characterisation of Polymer Products	1	1,3	497WPMSSPCV11	äquivalent	VL	Synthesis and Characterisation of Polymer Products	1	1,5	497EPMSSPCV19
VL	Synthetic Polymers for Biology and Medicine	1	1,5	497WPMSSPMV13	äquivalent	VL	Synthetic Polymers for Biology and Medicine	1	1,5	497EPMSSPMV19
VL	Advanced NMR 1	1	1,3	491WORCAN1V10	äquivalent	VL	Advanced NMR 1	1	1,5	491EANAAN1V19
VL	Stereochemistry	2	2,6	491WORCSTCV10	äquivalent	VL	Stereochemistry	2	3	491ESYNSTCV19
VL	Transportprozesse	2	2,6	491WPCHTRPV10	äquivalent	VL	Transport Phenomena in Process Technology	2	3	491ETECTPPV19
26 33,8						24 33,5				

<b>Gliederungsfach: Elective Polymer Processing</b>					<b>FACH: Elective Polymer Processing</b>					
11,9- 14,9/ 13,3- 16,3/ 19,3- 22,3					19-22/ 13-16/ 15-18					
<b>497WPOV18</b>					<b>497EPMS19</b>					
Typ	Titel	Std.	ECTS	Klassencode	Typ	Titel	Std.	ECTS	Klassencode	
PR	Praktikum aus Chemischer Technologie Organischer Stoffe	7	8,4	491CTOSPTOP10	↔ alt					
<i>Voraussetzung:</i> <i>For safety reasons, at least 30 ECTS verifiably in chemical laboratory courses with individual experimental work, as well as successful examination of the lecture "Chemical Technology of Organic Materials I" or admission to the master's program for technical chemistry, polymer chemistry or WiTech</i>										
					neu ⇒	PR	Lab Course in Advanced Organic Technology	5	5	491CTOMAOTP19
<i>Voraussetzung:</i> <i>For safety reasons, at least 25 ECTS verifiably in chemical laboratory courses with individual experimental work or admission to the Master's program in Chemistry and Chemical Technology, MCT or Polymer Chemistry.</i>										
VL	Transportprozesse	2	2,6	491WPCHTRPV10	äquivalent	VL	Transport Phenomena in Process Technology	2	3	491ETECTPPV19
9 11					7 8					

<b>FACH: Master's Thesis Seminar Polymer Chemistry</b>					<b>FACH: Master's Thesis Seminar Polymer Chemistry</b>					
3					5					
<b>497MAAR14</b>					<b>497MAAR19</b>					
Typ	Titel	Std.	ECTS	Klassencode	Typ	Titel	Std.	ECTS	Klassencode	
SE	Master's Thesis Seminar Polymer Chemistry	2	3	497MAARMASS10	äquivalent	SE	Master's Thesis Seminar Polymer Chemistry	2	5	497MAARMASS19
2 3					2 5					

[Quellcurriculum Bachelor Kunststofftechnik](#)  
[Quellcurriculum Master Technische Chemie](#)  
[Quellcurriculum Master Wirtschaftsingenieurwesen Technische Chemie \(WITECH\)](#)

### Weiterbenutzung der LVA's

PR "Advanced Polymer Synthesis Lab Course"	- Master Polymer Technologies and Science
VL " Bionics-biomimetic Materials and Polymers"	- Master Biological Chemistry - Master Polymer Technologies and Science (2x) - Bachelor Kunststofftechnik - Master Technische Chemie (2x)
VL "Catalysis by Metal Complexes"	- Master WITECH - Master Technische Chemie
VL "Chemical Interactions in Polymers"	- Master Polymer Technologies and Science - Master Management in Polymer Technologies
UE "Exercises in Polymer Chemistry 2"	- Master Polymer Technologies and Science - Master Management in Polymer Technologies
UE "Exercises in Polymerization Techniques"	- Master Polymer Technologies and Science - Master Management in Polymer Technologies
VL "Functional Polymers"	- Master Polymer Technologies and Science - Master Technische Chemie
VL "Industrial characterization of polymers"	- Bachelor Kunststofftechnik
PR "Laboratory Course of Polymer Chemistry 2"	- Master Polymer Technologies and Science - Master Management in Polymer Technologies
VL "Molecularly Imprinted Polymers"	- Master Biological Chemistry - Master Polymer Technologies and Science
VL "Organic-Inorganic Hybrid Polymers"	- Master Technische Chemie - Bachelor Kunststofftechnik - Master Polymer Technologies and Science
VL "Physics and Chemistry of Organic Semiconductors"	- Master Elektronik und Informationstechnik (2x) - Master Nanoscience and -Technology - Master Technische Chemie - Master Biological Chemistry
VL "Polymer Chemistry 2"	- Master WITECH - Master Polymer Technologies and Science - Master Management in Polymer Technologies
VL "Polymerization Techniques"	- Master Polymer Technologies and Science - Master Management in Polymer Technologies
VL "Polyolefins"	- Master Polymer Technologies and Science - Bachelor Kunststofftechnik - Master Management in Polymer Technologies

<b>SE "Science and Technology of Organic Semiconductors"</b>	- Master Elektronik und Informationstechnik (2x) - Master Technische Chemie
<b>VL "Synthesis and Characterisation of Polymer Products"</b>	- Master Polymer Technologies and Science
<b>VL "Synthetic Polymers for Biology and Medicine"</b>	- Master Polymer Technologies and Science

**VL "Technical Biopolymers"**

- Master Biological Chemistry
- Master Polymer Technologies and Science (2x)
- Bachelor Kunststofftechnik
- Master Molecular Biology
- Master Technische Chemie