STUDIENKOMMISSION TC

Vorstellung der Änderungen in Chemiestudien
22. Mai 2019 17.30 Uhr

JOHANNES KEPLER
UNIVERSITÄT LINZ

AGENDA

- Änderungen im Bachelorstudium Chemistry and Chemical Technology (CCT)
- Änderungen im Masterstudium Chemistry and Chemical Technology (CCT)
- Änderungen im Masterstudium Polymer Chemistry

ÄNDERUNGEN IM BACHELORSTUDIUM CCT

- Idealtypischer Studienverlauf: 2019

1st Semester (WS)		2nd Semester (SS)		3rd Semester (WS)		4th Semester (SS)		5th Semester (WS)		6th Semester (SS)	
Subject/Course	**ECTS**	**Subject/Course**	**ECTS**	**Subject/Course**	**ECTS**	**Subject/Course**	**ECTS**	**Subject/Course**	**ECTS**	**Subject/Course**	**ECTS**
General and Inorganic Chemistry Introduction to General Chemistry Chemical Calculations Introductory Lab Course Inorganic Chemistry I	12,5	**General and Inorganic Chemistry** Inorganic Chemistry II Lab Course in General Chemistry	6,5	**Analytical Chemistry** Instrumental Analytical Chemistry	3	**Organic Chemistry and Polymer Chemistry** Lab Course in Preparative Organic Chemistry II	5	**Analytical Chemistry** Lab Course in Instrumental Analysis	5	**General and Inorganic Chemistry** Lab Course in Inorganic Chemistry	5
		Analytical Chemistry Analytical Chemistry Lab Course in Analytical Chemistry	9,5	**Organic Chemistry and Polymer Chemistry** Organic Chemistry 2 Lab Course in Preparative Organic Chemistry I In-depth Fundamentals in Organic Chemistry NMR Spectroscopy Interpretation of NMR Spectra and Structure Elucidation of Organic Molecules	13,5	**Physical Chemistry** Lab Course in Physical Chemistry Physical Chemistry II Exercises in Physical Chemistry II Chemical Kinetics Catalysis Exercises in Chemical Kinetics und Catalysis Lab Course in Electrochemistry	15,5	**Organic Chemistry and Polymer Chemistry** Polymer Chemistry Exercises in Polymer Chemistry	4,5	**Chemical Technologies and Chemical Process Engineering** Basic Lab Course in Chemical Process Engineering Biotechnology	3,5
Analytical Chemistry Introduction to Analytical Chemistry	3							**Chemical Technologies and Chemical Process Engineering** Organic Technology Basic Lab Course in Organic Technology Basic Lab Course in Inorganic Technology Chemical Reaction Engineering Exercises in Chemical Reaction Engineering Chemical Process Engineering	16		
Organic Chemistry and Polymer Chemistry Introduction to Organic Chemistry	3	**Organic Chemistry and Polymer Chemistry** Organic Chemistry 1	4,5	**Physical Chemistry** Physical Chemistry I Exercises in Physical Chemistry I Electrochemistry	7,5					**Mathematics and Fundamentals in Science** Biochemistry	3
Mathematics and Fundamentals in Science Mathematics for Chemistry I Applications of Mathematics in Chemistry with Exercises I Introduction to Physics for Chemistry	9	**Mathematics and Fundamentals in Science** Mathematics for Chemistry II Applications of Mathematics in Chemistry with Exercises II Physics for Chemistry Exercises in Physics for Chemistry	10,5	**Chemical Technologies and Process Engineering** Materials Characterisation	3	**Chemical Technologies and Chemical Process Engineering** Fundamentals of Inorganic Materials Industrial Lecture and Excursion	4,5	**General Skills** Computational Chemistry Scientific Writing and Presenting	4,5	**Bachelor's Thesis** Bachelor's Seminar Chemistry	9
General Skills Chemical Laboratory Safety Introduction into Gender Studies in Science and Engineering	4	**Physical Chemistry** Chemical Thermodynamics	1,5	**General Skills** Data Processing in Chemistry Literature Searching, Publishing and Patents	3	Free Electives	3			**General Skills** Legislation for Chemists	1,5
										Free Electives	6
	31,5		32,5		30		28		30		28

ÄNDERUNGEN IM BACHELORSTUDIUM CCT

■ Äquivalenzen

Subjects/package of subjects in the Bachelor Technische Chemie version of 2017	equivalent subjects/package of subjects in the Bachelor Chemistry version of 2018
290AACH12: Allgemeine und Anorganische Chemie (27 ECTS) + 290ANCH12: Analytische Chemie (26,5 ECTS) + 290OCPC16: Organische Chemie und Polymerchemie (29,4 ECTS) + 290PHCH12: Physikalische Chemie (22,5 ECTS) + 290PHCH12: Chemische Technologien und Verfahrenstechnik (22,2 ECTS) + 290MANA16: Mathematik und naturwissenschaftliche Grundlagen (19,6 ECTS) + 290SOSK12: Soft Skills, Recht, Genderfragen (10,9 ECTS)	290GICH18: General and Inorganic Chemistry (24 ECTS) + 290ANCH18: Analytical Chemistry (20,5 ECTS) + 290OCPC18: Organic Chemistry and Polymer Chemistry (30,5 ECTS) + 290PHCH18: Physical Chemistry (24,5 ECTS) + 290CTPE18: Chemical Technologies and Chemical Process Engineering (27 ECTS) + 290MAFS18: Mathematics and Fundamentals in Science (22,5 ECTS) + 290GESK18: General Skills (13 ECTS)
290AACH12: Allgemeine und Anorganische Chemie (27 ECTS)	290GICH18: General and Inorganic Chemistry (24 ECTS)
290ANCH12: Analytische Chemie (26,5 ECTS)	290ANCH18: Analytical Chemistry (20,5 ECTS)
290OCPC16: Organische Chemie und Polymerchemie (29,4 ECTS)	290OCPC18: Organic Chemistry and Polymer Chemistry (30,5 ECTS)
290PHCH12: Physikalische Chemie (22,5 ECTS)	290PHCH18: Physical Chemistry (24,5 ECTS)
290PHCH12: Chemische Technologien und Verfahrenstechnik (22,2 ECTS)	290CTPE18: Chemical Technologies and Chemical Process Engineering (27 ECTS)
290MANA16: Mathematik und naturwissenschaftliche Grundlagen (19,6 ECTS)	290MAFS18: Mathematics and Fundamentals in Science (22,5 ECTS)
290SOSK12: Soft Skills, Recht, Genderfragen (10,9 ECTS)	290GESK18: General Skills (13 ECTS)
290BAAR12: Bachelor Arbeit (9,9 ECTS)	220BAAR18: Bachelor's Thesis (9 ECTS)
290FRST12: Freie Studienleistungen (12 ECTS)	290FRST18: Free Electives (9 ECTS)

JKU

ÄNDERUNGEN IM BACHELORSTUDIUM CCT

■ Äquivalenzen

Alt: 2018						Neu: 2019				
FACH: General and Inorganic Chemistry			24	290GICH18		FACH: General and Inorganic Chemistry			24	290GICH18
Typ	Titel	Std.	ECTS	Klassencode		Typ	Titel	Std.	ECTS	Klassencode
PR	**Lab Course in General Chemistry**	2	2	290GICHLGCP18	**Anpassung der Voraussetz-ung**	PR	**Lab Course in General Chemistry**	2	2	290GICHLGCP18
	Vorraussetzung: KV Chemical Laboratory Safety + VL Introduction to General Chemistry						Vorraussetzung: VL Introduction to General Chemistry + PR Introductory Lab Course OR (particularly for Bachelor Fundamentals of Natural Sciences for Technology): PR Einführungspraktikum Chemie + VL Überblick Chemie I + VL Überblick Chemie II			
		2	2					2	2	
FACH: Analytical Chemistry			20,5	290ANCH18		FACH: Analytical Chemistry			20,5	290ANCH18
Typ	Titel	Std.	ECTS	Klassencode		Typ	Titel	Std.	ECTS	Klassencode
PR	**Lab Course in Analytical Chemistry**	5	5	290ANCHLACP18	**Anpassung der Voraussetz-ung**	PR	**Lab Course in Analytical Chemistry**	5	5	290ANCHLACP18
	Vorraussetzungen: PR Introductory Lab Course + VL Introduction to General Chemistry + VL Introduction to Analytical Chemistry						Vorraussetzungen: PR Introductory Lab Course + VL Introduction to General Chemistry + VL Introduction to Analytical Chemistry OR (particularly for Bachelor Fundamentals of Natural Sciences for Technology): PR Einführungspraktikum Chemie + VL Überblick Chemie I + VL Überblick Chemie II + VL Introduction to Analytical Chemistry			
		5	5					5	5	
FACH: Organic Chemistry and Polymer Chemistry			30,5	290OPCH18		FACH: Organic Chemistry and Polymer Chemistry			30,5	290OPCH18
Typ	Titel	Std.	ECTS	Klassencode		Typ	Titel	Std.	ECTS	Klassencode
UE	**Exercises in Spectroscopy and Structure Elucidation I**	1	1,5	290OPCHSP1U18	**äquivalent**	UE	**Interpretation of NMR Spectra and Structure Elucidation of Organic Molecules**	1	1,5	290OPCHNMRU19
VL	**Spectroscopy and Structure Elucidation I**	1	1,5	290OPCHSP1V18	**äquivalent**	VL	**NMR Spectroscopy**	1	1,5	290OPCHNMRV19
		2	3					2	3	

ÄNDERUNGEN IM BACHELORSTUDIUM CCT

■ Äquivalenzen

Alt: 2018						Neu: 2019				
FACH: Chemical Technologies and Chemical Process Engineering			27	290CTPE18		FACH: Chemical Technologies and Chemical Process Engineering		27	290CTPE18	
Typ	Titel	Std.	ECTS	Klassencode		Typ	Titel	Std.	ECTS	Klassencode
PR	**Lab Course in Chemical Process Engineering**	2	2	290CTPELPEP19	**Umbe-nennung + Anpass. Voraus.**	PR	**Basic Lab Course in Chemical Process Engineering**	2	2	290CTPELPEP19
	Vorraussetzung: VL Chemical Process Engineering + PR Lab Course in General Chemistry + PR Lab Course in Physical Chemistry						Vorraussetzung: VL Chemical Process Engineering + PR Lab Course in General Chemistry + PR Lab Course in Physical Chemistry or admission to the master's program for Chemistry and Chemical Technology			
PR	**Basic Lab Course in Inorganic Technology**	2	2	290CTPEBITP19	**Anpassung der Voraussetz-ung(en)**	PR	**Basic Lab Course in Inorganic Technology**	2	2	290CTPEBITP19
	Vorraussetzung: VL Materials Characterisation + PR Lab Course in Electrochemistry						Vorraussetzung: VL Materials Characterisation + PR Lab Course in Electrochemistry or admission to the master's program for Chemistry and Chemical Technology			
PR	**Basic Lab Course in Organic Technology**	2	2	290CTPEBOTP19		PR	**Basic Lab Course in Organic Technology**	2	2	290CTPEBOTP19
	Vorraussetzung: PR Lab Course in Preparative Organic Chemistry 1 + VL Instrumental Analytical Chemistry						Vorraussetzung: PR Lab Course in Preparative Organic Chemistry 1 + VL Instrumental Analytical Chemistry or admission to the master's program for Chemistry and Chemical Technology			
		6	6					6	6	

ÄNDERUNGEN IM BACHELORSTUDIUM CCT

■ Äquivalenzen

Alt: 2018						Neu: 2019				
FACH: Mathematics and Fundamentals in Science			22,5	290MAFS18		FACH: Mathematics and Fundamentals in Science		22,5	290MAFS18	
Typ	Titel	Std.	ECTS	Klassencode		Typ	Titel	Std.	ECTS	Klassencode
KV	**Introduction to Mathematics**	1	1,5	290MAFSIMAK18	äquivalent	KV	**Applications of Mathematics in Chemistry with Exercises I**	3	4,5	290MAFSMC1K19
UE	**Applications of Mathematics for Chemistry I**	2	3	290MAFSMC1U18						
UE	**Applications of Mathematics for Chemistry II**	2	3	290MAFSMC2U18	äquivalent	UE	**Applications of Mathematics in Chemistry with Exercises II**	2	3	290MAFSMC2U19
		5	7,5					5	7,5	
FACH: Bachelor's Thesis			9	290BAAR18		FACH: Bachelor's Thesis			9	290BAAR18
Typ	Titel	Std.	ECTS	Klassencode		Typ	Titel	Std.	ECTS	Klassencode
SE	**Bachelor's Seminar Chemistry**	2	9	290BAARBSCS18	Umbenennung	SE	**Bachelor's Seminar Chemistry and Chemical Technology**	2	9	290BAARBSCS19
		2	9					2	9	

ÄNDERUNGEN IM MASTERSTUDIUM CCT

- Idealtypischer Studienverlauf (für Bachelor CCT): 2019

1st Semester (WS)		2nd Semester (SS)		3rd Semester (WS)		4th Semester (SS)	
Subject/Course	**ECTS**	**Subject/Course**	**ECTS**	**Subject**	**ECTS**	**Subject**	**ECTS**
Chemical Technologies of Inorganic Materials Advanced Inorganic Materials Inorganic Materials in High-Tech Applications Lab Course in Advanced Inorganic Technology	11	**Inorganic Chemistry** Inorganic Chemistry 3	3	**Inorganic Chemistry** Photochemistry 1	1.5	**Master's Thesis**	21
		Physical Chemistry Physical and Theoretical Chemistry Physical Chemistry of Surfaces and Interfaces	4.5	**Analytical Chemistry** Mass Spectrometry Interpretation of MS and IR Spectra	3		
Chemical Technologies of Organic Materials Advanced Biotechnology	1.5	**Chemical Technologies of Inorganic Materials** Inorganic Technology Seminar	1.5	**Physical Chemistry** Catalysis and Reaction Mechanisms	1.5		
Chemical Process Engineering Advanced Chemical Process Engineering	3	**Chemical Technologies of Organic Materials** Advanced Organic Technology 1 Advanced Organic Technology 2 Lab Course in Advanced Organic Technology	11	**Chemical Technologies of Inorganic Materials** Industrial Thin Film Technologies Safety Engineering	4.5		
Organic Chemistry Advanced Organic Chemistry 1	3			**Chemical Technologies of Organic Materials** Organic Technology Seminar	1.5		
Electives	6	**Chemical Process Engineering** Advanced Chemical Reaction Engineering Basic Plant Design and Engineering	4.5	**Chemical Process Engineering** Lab Course in Advanced Process Engineering Seminar in Process and Plant Engineering	4.5		
		Soft Skills Excursion to Industry	0.5	**Soft Skills**	3		
Free Electives	5.5	**Electives**	3	**Electives**	6	**Master's Thesis Seminar / Master's Examination**	6
		Free Electives	2	Free Electives	4.5	**Electives**	3
	30		**30**		**30**		**30**

M-Thesis:
21 ECTS
M-Seminar:
5 ECTS
M-Exam:
1 ECTS

ÄNDERUNGEN IM MASTERSTUDIUM CCT

- Idealtypischer Studienverlauf (für Bachelor BC): 2019

1st Semester (WS)		2nd Semester (SS)		3rd Semester (WS)		4th Semester (SS)	
Subject/Course	**ECTS**	**Subject/Course**	**ECTS**	**Subject**	**ECTS**	**Subject**	**ECTS**
Bridge subject Technical Chemistry for Biological Chemists Organic Technology Materials Characterisation Basic Lab Course in Inorganic Technology Chemical Process Engineering	14	**Bridge subject Technical Chemistry for Biological Chemists** Basic Lab Course in Organic Technology Basic Lab Course in Chemical Process Engineering	4	**Inorganic Chemistry** Photochemistry 1	1.5	**Master's Thesis**	21
				Analytical Chemistry Mass Spectrometry Interpretation of MS and IR Spectra	3		
		Inorganic Chemistry Inorganic Chemistry 3	3	**Physical Chemistry** Catalysis and Reaction Mechanisms	1.5		
		Physical Chemistry Physical and Theoretical Chemistry Physical Chemistry of Surfaces and Interfaces	4.5	**Chemical Technologies of Inorganic Materials** Industrial Thin Film Technologies Safety Engineering	4.5		
		Chemical Technologies of Inorganic Materials Inorganic Technology Seminar	1.5	**Chemical Technologies of Organic Materials** Organic Technology Seminar	1.5		
Chemical Technologies of Inorganic Materials Advanced Inorganic Materials Inorganic Materials in High-Tech Applications Lab Course in Advanced Inorganic Technology	11	**Chemical Technologies of Organic Materials** Advanced Organic Technology 1 Advanced Organic Technology 2 Lab Course in Advanced Organic Technology	11	**Chemical Process Engineering** Lab Course in Advanced Process Engineering Seminar in Process and Plant Engineering	4.5		
				Soft Skills	3		
Chemical Technologies of Organic Materials Advanced Biotechnology	1.5	**Chemical Process Engineering** Advanced Chemical Reaction Engineering Basic Plant Design and Engineering	4.5	Free Electives	9		
Chemical Process Engineering Advanced Chemical Process Engineering	3	**Soft Skills** Excursion to Industry	0.5			**Master's Thesis Seminar / Master's Examination**	6
Organic Chemistry Advanced Organic Chemistry 1	3	Free Electives	3				
	32.5		**32**		**28.5**		**27**

M-Thesis:
21 ECTS
M-Seminar:
5 ECTS
M-Exam:
1 ECTS

ÄNDERUNGEN IM MASTERSTUDIUM CCT

■ Äquivalenzen

Course package in the Master's program "Technische Chemie" 2016	Equivalent course package in the Master's program "Chemistry and Chemical Technology" 2019
491CTAS13: Chemische Technologie Anorganischer Stoffe (17.4 ECTS) + 491CTOS10: Chemische Technologie Organischer Stoffe (14.8 ECTS) + 491SOSK16: Soft Skills für Master Technische Chemie (6.4 ECTS) + 491VETE10: Verfahrenstechnik (9.4 ECTS) + 491MAAR10: Masterarbeitsseminar in Technischer Chemie (3 ECTS)	491CTIM19: Chemical Technologies of Inorganic Materials (17 ECTS) + 491CTOM19: Chemical Technologies of Organic Materials (14 ECTS) + 491SOSK19: Soft Skills (3.5 ECTS) + 491CHPE19: Chemical Process Engineering (12 ECTS) + 491MAAR19: Master's Thesis Seminar Chemistry and Chemical Technology (5 ECTS)
491WAFA16: Wahlfächer (27.5 ECTS) + 491FRST13: Freie Studienleistungen (14.5 ECTS)	491ANCH19: Analytical Chemistry (3 ECTS) + 491INCH19: Inorganic Chemistry (4.5 ECTS) + 491ORCH19: Organic Chemistry (3 ECTS) + 491PHCH19: Physical Chemistry (6 ECTS) + 491ELEC19: Electives (18 ECTS) + 491FRST19: Free Electives (12 ECTS)

ÄNDERUNGEN IM MASTERSTUDIUM CCT

- Äquivalenzen

Course package in the Master's program "Technische Chemie" 2016	Equivalent course package in the Master's program "Chemistry and Chemical Technology" 2019
491BRBC13: Brückenfach Technische Chemie für Bachelor Biologische Chemie (25.5 ECTS) + 491WAFA16: Wahlfächer (3 ECTS) + 491FRST13: Freie Studienleistungen (13.5 ECTS)	491BRBC19: Bridge subject Technical Chemistry for Biological Chemists (18 ECTS) + 491ANCH19: Analytical Chemistry (3 ECTS) + 491INCH19: Inorganic Chemistry (4.5 ECTS) + 491ORCH19: Organic Chemistry (3 ECTS) + 491PHCH19: Physical Chemistry (6 ECTS) + 491FRST19: Free Electives (12 ECTS)
491CTAS13: Chemische Technologie Anorganischer Stoffe (17.4 ECTS)	491CTIM19: Chemical Technologies of Inorganic Materials (17 ECTS)
491CTOS10: Chemische Technologie Organischer Stoffe (14.8 ECTS)	491CTOM19: Chemical Technologies of Organic Materials (14 ECTS)
491SOSK16: Soft Skills für Master Technische Chemie (6.4 ECTS)	491SOSK19: Soft Skills (3.5 ECTS)
491VETE10: Verfahrenstechnik (9.4 ECTS)	491CHPE19: Chemical Process Engineering (12 ECTS)

ÄNDERUNGEN IM MASTERSTUDIUM CCT

- Äquivalenzen

Course package in the Master's program "Technische Chemie" 2016	Equivalent course package in the Master's program "Chemistry and Chemical Technology" 2019
491WAFA16: Wahlfächer (27.5 ECTS)	491ELEC19: Electives (18 ECTS) + 491ANCH19: Analytical Chemistry (3 ECTS) + 491INCH19: Inorganic Chemistry (4.5 ECTS) + 491ORCH19: Organic Chemistry (3 ECTS) + 491PHCH19: Physical Chemistry (6 ECTS)
491BRBC13: Brückenfach Technische Chemie für Bachelor Biologische Chemie (25.5 ECTS) + 491WAFA16: Wahlfächer (3 ECTS)	491BRBC19: Bridge subject Technical Chemistry for Biological Chemists (18 ECTS) + 491ANCH19: Analytical Chemistry (3 ECTS) + 491INCH19: Inorganic Chemistry (4.5 ECTS) + 491ORCH19: Organic Chemistry (3 ECTS) + 491PHCH19: Physical Chemistry (6 ECTS)
491FRST13: Freie Studienleistungen (14.5 or 13.5 ECTS)	491FRST19: Free Electives (12 ECTS)
491MAAR10: Masterarbeitsseminar in Technischer Chemie (3 ECTS)	491MAAR19: Master's Thesis Seminar Chemistry and Chemical Technology (5 ECTS)

ÄNDERUNGEN IM MASTERSTUDIUM POLYMER CHEMISTRY

- Idealtypischer Studienverlauf (für Bachelor CCT): 2019

1st Semester (WS)		2nd Semester (SS)		3rd Semester (WS)		4th Semester (SS)	
Subject/Module	**ECTS**	**Subject/Module**	**ECTS**	**Subject/Module**	**ECTS**	**Subject/Module**	**ECTS**
Bridge subject Polymer Chemistry for Bachelors of CCT VL Polymerwerkstoffe 1 VL Technologien der Polymerverarbeitung 1A: Einführung VL Technologien der Polymerverarbeitung 1B: Einführung VL Structural Rheology for Chemistry VL Physical Chemistry of Macromolecules	16	**Bridge subject Polymer Chemistry for Bachelors of CCT** VL Charakterisierung und Prüfung der Kunststoffe 1	2,5				
		Polymer Chemistry VL Chemical Interactions in Polymers VL Technical Biopolymers PR Laboratory Course of Polymer Chemistry 1 PR Laboratory Course of Polymer Chemistry 2	8	**Master's Thesis**	10	**Master's Thesis**	11
		Advanced Chemistry for Polymer Chemistry PR Advanced Instrumental Analysis	2	**Polymerization Techniques** UE Exercises in Polymerization Techniques PR Lab Course in Polymerization Techniques	5,5	**Electives Polymer Chemistry**	5
Polymer Chemistry VL Polymer Chemistry 2 UE Exercises in Polymer Chemistry 2	4,5	**Soft Skills for Master Polymer Chemistry** VL Excursion Polymer Chemistry VL Patent Law and Intellectual Property SE Global Management and Strategy	6,5				
Physical Chemistry of Polymers VL Elements of Structuring in Polymers	1,5	**Polymerization Techniques** VL Polymerization Techniques	3	**Electives Polymer Chemistry**	7,5	**Master's Thesis Seminar/ Master's Examination**	6
Advanced Chemistry for Polymer Chemistry VL Catalysis by Metal Complexes	3	**Physical Chemistry of Polymers** PR Advanced Lab in Physical Chemistry I VL Physical Chemistry of Surfaces and Interfaces	3,5	Free Electives	7	Free Electives	8
Electives Polymer Chemistry	5	**Electives Polymer Chemistry**	4,5				
	30		**30**		**30**		**30**
							120

M-Thesis: 21 ECTS
M-Seminar: 5 ECTS
M-Exam: 1 ECTS

ÄNDERUNGEN IM MASTERSTUDIUM POLYMER CHEMISTRY

- Idealtypischer Studienverlauf (für Bachelor BC): 2019

1st Semester (WS)		2nd Semester (SS)		3rd Semester (WS)		4th Semester (SS)	
Subject/Module	**ECTS**	**Subject/Module**	**ECTS**	**Subject/Module**	**ECTS**	**Subject/Module**	**ECTS**
Bridge subject Polymer Chemistry for Biological Chemists VL Polymerwerkstoffe 1 VL Technologien der Polymerverarbeitung 1A: Einführung VL Technologien der Polymerverarbeitung 1B: Einführung VL Structural Rheology for Chemistry VL Physical Chemistry of Macromolecules VL Polymer Chemistry VL Chemical Process Engineering	22	**Bridge subject Polymer Chemistry for Biological Chemists** VL Charakterisierung und Prüfung der Kunststoffe 1	2,5				
		Polymer Chemistry VL Chemical Interactions in Polymers VL Technical Biopolymers PR Laboratory Course of Polymer Chemistry 1 PR Laboratory Course of Polymer Chemistry 2	8	**Master's Thesis**	10	**Master's Thesis**	11
		Advanced Chemistry for Polymer Chemistry PR Advanced Instrumental Analysis	2	**Polymerization Techniques** UE Exercises in Polymerization Techniques PR Lab Course in Polymerization Techniques	5,5	**Electives Polymer Chemistry**	5
Polymer Chemistry VL Polymer Chemistry 2 UE Exercises in Polymer Chemistry 2	4,5	**Soft Skills for Master Polymer Chemistry** VL Excursion Polymer Chemistry VL Patent Law and Intellectual Property SE Global Management and Strategy	6,5				
Advanced Chemistry for Polymer Chemistry VL Catalysis by Metal Complexes	3			**Electives Polymer Chemistry**	7,5	**Master's Thesis Seminar/ Master's Examination**	6
Physical Chemistry of Polymers VL Elements of Structuring in Polymers	1,5	**Polymerization Techniques** VL Polymerization Techniques	3				
		Electives Polymer Chemistry	3,5	Free Electives	7	Free Electives	8
		Physical Chemistry of Polymers PR Advanced Lab in Physical Chemistry I VL Physical Chemistry of Surfaces and Interfaces	3,5				
	31		**29**		**30**		**30**
							120

M-Thesis: 21 ECTS
M-Seminar: 5 ECTS
M-Exam: 1 ECTS

ÄNDERUNGEN IM MASTERSTUDIUM POLYMER CHEMISTRY

- Idealtypischer Studienverlauf (für Bachelor KT): 2019

1st Semester (WS)		2nd Semester (SS)		3rd Semester (WS)		4th Semester (SS)	
Subject/Module	**ECTS**	**Subject/Module**	**ECTS**	**Subject/Module**	**ECTS**	**Subject/Module**	**ECTS**
Bridge subject Polymer Chemistry for Polymer Engineering and Technologies PR Laboratory Course of Analytical Chemistry PR Laboratory Course of Inorganic Chemistry PR Laboratory Course of Organic Chemistry VL Organic Chemistry 2 VL Chemical Process Engineering	18	**Bridge subject Polymer Chemistry for Polymer Engineering and Technologies** VL Catalysis VL Chemical Kinetics	4,5	**Master's Thesis**	10	**Master's Thesis**	11
		Polymer Chemistry VL Chemical Interactions in Polymers VL Technical Biopolymers PR Laboratory Course of Polymer Chemistry 1 PR Laboratory Course of Polymer Chemistry 2	8				
		Advanced Chemistry for Polymer Chemistry PR Advanced Instrumental Analysis	2	**Polymerization Techniques** UE Exercises in Polymerization Techniques PR Lab Course in Polymerization Techniques	5,5	**Electives Polymer Chemistry**	5
		Soft Skills VL Excursion Polymer Chemistry VL Patent Law and Intellectual Property SE Global Management and Strategy	6,5				
Polymer Chemistry VL Polymer Chemistry 2 UE Exercises in Polymer Chemistry 2	4,5	**Polymerization Techniques** VL Polymerization Techniques	3	**Electives Polymer Chemistry**	7	**Master's Thesis Seminar/ Master's Examination**	6
Advanced Chemistry for Polymer Chemistry VL Catalysis by Metal Complexes	3	**Physical Chemistry of Polymers** PR Advanced Lab in Physical Chemistry I VL Physical Chemistry of Surfaces and Interfaces	3,5	Free Electives	7	Free Electives	8
Physical Chemistry of Polymers VL Elements of Structuring in Polymers	1,5	**Electives Polymer Chemistry**	2,5				
Electives Polymer Chemistry	3,5						
	30,5		**30**		**29,5**		**30**
							120

M-Thesis: 21 ECTS
M-Seminar: 5 ECTS
M-Exam: 1 ECTS

ÄNDERUNGEN IM MASTERSTUDIUM POLYMER CHEMISTRY

- Äquivalenzen

Subject / subject package in the Master's program "Polymer Chemistry" 2018	Equivalent subject / subject package in the Master's program "Polymer Chemistry" 2019
497PHCH14: Physical Chemistry of Polymers (5.2 ECTS)	497PHCH19: Physical Chemistry of Polymers (5 ECTS)
497POCH14: Polymer Chemistry (12.8 ECTS)	497POCH19: Polymer Chemistry (12.5 ECTS)
497POTE14: Polymerization Techniques (9 ECTS)	497POTE19: Polymerization Techniques (8.5 ECTS)
497SOSK16: Soft Skills for Master Polymer Chemistry (6.2 ECTS)	497SOSK19: Soft Skills for Master Polymer Chemistry (6.5 ECTS)
497MAAR14: Master's Thesis Seminar Polymer Chemistry (3 ECTS)	497MAAR19: Master's Thesis Seminar Polymer Chemistry (5 ECTS)
497BRTC18: Bridge subject Polymer Chemistry for Chemists (17.5 ECTS) + 497WAFA18: Electives Polymer Chemistry (22.3 ECTS)	497BRCH19: Bridge subject Polymer Chemistry for Bachelors of CCT (18.5 ECTS) + 497ELPC19: Electives Polymer Chemistry (25 ECTS)
497BRBC18: Bridge subject Polymer Chemistry for Biological Chemists (23.5 ECTS) + 497WAFA18: Electives Polymer Chemistry (16.3 ECTS)	497BRBC19: Bridge subject Polymer Chemistry for Biological Chemists (24.5 ECTS) + 497ELPC19: Electives Polymer Chemistry (19 ECTS)
497BRKT18: Bridge subject Polymer Chemistry for Polymer Engineering and Technologies (24.9 ECTS) + 497WAFA18: Electives Polymer Chemistry (14.9 ECTS)	497BRPE19: Bridge subject Polymer Chemistry for Polymer Engineering and Technologies (22.5 ECTS) + 497ELPC19: Electives Polymer Chemistry (21 ECTS)