

Änderung des Curriculums für das Masterstudium Polymer Chemistry

Das Curriculum für das Masterstudium Polymer Chemistry, Version V.7, kundgemacht im Mitteilungsblatt der Johannes Kepler Universität Linz vom 22.06.2018, 26. Stk., Pkt. 273, wird wie folgt geändert:

1. § 2 Absatz 1 lautet wie folgt:

"(1) In accordance with § 54 (1) UG the Master's program "Polymer Chemistry" belongs to the category of engineering degrees and is taught in English. "

2. § 2 Absatz 2 lautet wie folgt:

"(2) The Master's program "Polymer Chemistry" is based on the Bachelor's programs in "Chemistry and Chemical Technology" (K033/290), "Biological Chemistry" (K033/663) and "Polymer Engineering and Technologies" (K033/220) at JKU. Graduates of these Bachelor's programs are admitted to the Master's program without any restrictions. "

3. § 2 Absatz 3 lautet wie folgt:

"(3) Graduates of related programs at Universities, Universities of Applied Sciences and other recognized national or international post-secondary educational institutions can be admitted to the Master's program if their degree programs are equivalent in content and scope to the Bachelor's programs in "Chemistry and Chemical Technology", "Biological Chemistry" or "Polymer Engineering and Technologies" at JKU. Equivalent programs are those in which the following subjects have been successfully completed in the stated minimum scope, whereby at least 3 ECTS must be in chemical lab/practical courses (chemistry laboratory work with one's own experimental activities):

(a) Equivalent to the Bachelor's program in "Chemistry and Chemical Technology":

- General and Inorganic Chemistry (22 ECTS)
- Analytical Chemistry (20 ECTS)
- Organic Chemistry and Polymer Chemistry (25 ECTS)
- Physical Chemistry (20 ECTS)
- Chemical Technologies and Process Engineering (15 ECTS)
- Mathematics and Fundamentals in Sciences (18 ECTS)

(b) Equivalent to the Bachelor's program in "Biological Chemistry":

- General and Inorganic Chemistry (14 ECTS)
- Analytical Chemistry (16 ECTS)
- Organic Chemistry (15 ECTS)
- Physical Chemistry (10 ECTS)
- Mathematics and Physics (14 ECTS)

(c) Equivalent to the Bachelor's program in "Polymer Engineering and Technologies":

- Chemistry (24 ECTS)
- Polymer Technology (30 ECTS)
- Mathematics and Physics (10 ECTS) "

4. § 2 Absatz 4 lautet wie folgt:

"(4) In the event of admission under para. 3, it must be determined during the official admission process whether equivalent standard has been met in accordance to para. 3 lit. a, b or c and/or if the prerequisites for graduates of the Bachelor's degree program in "Chemistry and Chemical Technology", "Biological Chemistry" or "Polymer Engineering and Technologies" have to be applied. "

5. § 3 Absatz 1 lautet wie folgt:

"(1) The Master's program in "Polymer Chemistry" covers 4 semesters and consists of 120 ECTS, which are distributed among the following subjects:

(a) Subjects for graduates of the Bachelor's program "Chemistry and Chemical Technology"

Subjects	ECTS
Mandatory Subjects	56
Elective Subjects	25
Master's Thesis (incl. Master's Thesis Seminar)	26
Master's Examination	1
Free Electives	12
Total	120

(b) Subjects for graduates of the Bachelor's program "Biological Chemistry"

Subjects	ECTS
Mandatory Subjects	62
Elective Subjects	19
Master's Thesis (incl. Master's Thesis Seminar)	26
Master's Examination	1
Free Electives	12
Total	120

(c) Subjects for graduates of the Bachelor's program "Polymer Engineering and Technology"

Subjects	ECTS
Mandatory Subjects	60
Elective Subjects	21
Master's Thesis (incl. Master's Thesis Seminar)	26
Master's Examination	1
Free Electives	12
Total	120
"	

6. § 3 Absatz 3 lautet wie folgt:

"(3) The recommended free electives courses are further courses taught in the Master's programs "Biological Chemistry", "Chemistry and Chemical Technology (CCT)", "Management in Chemical Technologies (MCT)" or "Polymer Technologies and Science (PTS)". "

7. § 4 lautet wie folgt:

"§ 4 Mandatory Subjects/Modules

(1) The following mandatory subjects have to be completed successfully:

Code	Name	ECTS
497ADCH14	Advanced Chemistry for Polymer Chemistry	5
497PHCH19	Physical Chemistry of Polymers	5
497POCH19	Polymer Chemistry	12.5
497POTE19	Polymerization Techniques	8.5
497SOSK19	Soft Skills for Master Polymer Chemistry	6.5

(2) Graduates of the Bachelor's program "Chemistry and Chemical Technology" have to complete, as well as the mandatory subjects, listed in para. 1, additionally the subject "Bridge subject Polymer Chemistry for Bachelors of CCT" subject code: 497BRCH19, to the extent of 18.5 ECTS, graduates of the Bachelor's program "Biological Chemistry" additionally the subject "Bridge subject Polymer Chemistry for Biological Chemists", subject code: 497BRBC19, to the extent of 24.5 ECTS and graduates of the Bachelor's program "Polymer Engineering and Technologies" additionally the subject "Bridge subject Polymer Chemistry for Polymer Engineering and Technologies" subject code: 497BRPE19, to the extent of 22.5 ECTS. "

8. § 5 Absatz 1 lautet wie folgt:

"(1) Elective subjects have to be completed successfully according to sub-para.1 or 2:

1. The subject „Elective Polymer Materials and Synthesis“ or the subject „Elective Polymer Processing“ has to be chosen, whereupon graduates of the Bachelor's program "Chemistry and Chemical Technology" have to complete the chosen elective subject to an extent of 25 ECTS, graduates of the Bachelor's program "Biological Chemistry" to an extent of 19 ECTS and graduates of the Bachelor's program "Polymer Engineering and Technologies" to an extent of 21 ECTS.

2. Alternatively the subject Gender Studies to an extent of 3 ECTS and one of the two other elective subjects can be chosen. In this case graduates of the Bachelor's program "Chemistry and Chemical Technology" have to complete the other chosen elective subject to an extent of 22 ECTS, graduates of the Bachelor's program "Biological Chemistry" to an extent of 16 ECTS and graduates of the Bachelor's program "Polymer Engineering and Technologies" to an extent of 18 ECTS.

Code	Name	ECTS
497GEND16	Gender Studies	0-3
497EPMS19	Elective Polymer Materials and Syntheses	22-25/16-19/18-21
497EPOP19	Elective Polymer Processing	22-25/16-19/18-21
"		

9. § 8 Absatz 2 lautet wie folgt:

"(2) The Master's thesis usually consists of experimental research, whose results are to be documented in the form of a written paper corresponding to an effort of 21 ECTS. "

10. § 8 Absatz 6 lautet wie folgt:

"(6) In addition to the Master's thesis, students must pass the Master's thesis seminar with 5 ECTS. "

11. § 9 Absatz 4 lautet wie folgt:

"(4) The second part of the Master's examination is a comprehensive oral examination (1 ECTS) conducted by an examination committee. Prior to being admitted to the Master's examination, students must complete the first part of the Master's examination, the Master's thesis, the Master's thesis seminar, and the free electives. "

12. In § 11 wird im Anschluss an Absatz 5 folgender Absatz 6 angefügt:

"(6) § 2 para. 1, 2, 3 and 4, § 3 para. 1 and 3, § 4, § 5 para. 1, § 8 para. 2 and 6, § 9 para. 4, § 12 para. 4 and annex 1, 2 and 3 as published in the official newsletter of the Johannes Kepler University Linz on May 21st, 2019, 26th piece, item 374 will take effect on October 1st, 2019. "

13. In § 12 wird im Anschluss an Absatz 3 folgender Absatz 4 angefügt:

"(4) In addition to the mentioned equivalences given in the study handbook of JKU, the following equivalence table applies:

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) + 497WAF18: 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) + 497WAF18: 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) + 497WAF18: 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)

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14. Annex 1 lautet wie folgt:

Annex 1: Global map of study subjects - Master's Program "Polymer Chemistry" for graduates of the Bachelor's program Chemistry and Chemical Technology (2019)

1 st Semester (WS)		2 nd Semester (SS)		3 rd Semester (WS)		4 th 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 Chemists VL Charakterisierung und Prüfung der Kunststoffe 1	2,5	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 Soft Skills for Master Polymer Chemistry	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	VL Excursion Polymer Chemistry VL Patent Law and Intellectual Property SE Global Management and Strategy	6,5	Electives Polymer Chemistry	7,5
Physical Chemistry of Polymers VL Elements of Structuring in Polymers	1,5	Polymerization Techniques VL Polymerization Techniques	3				
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

15. Annex 2 lautet wie folgt:

Annex 2: Global map of study subjects - Master's Program "Polymer Chemistry" for graduates of the Bachelor's program Biological Chemistry (2019)

1 st Semester (WS)		2 nd Semester (SS)		3 rd Semester (WS)		4 th 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	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 Soft Skills for Master Polymer Chemistry	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	VL Excursion Polymer Chemistry VL Patent Law and Intellectual Property SE Global Management and Strategy	6,5	Electives Polymer Chemistry	7,5
Advanced Chemistry for Polymer Chemistry VL Catalysis by Metal Complexes	3	Polymerization Techniques VL Polymerization Techniques	3				
Physical Chemistry of Polymers VL Elements of Structuring in Polymers	1,5	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

16. Annex 3 lautet wie folgt:

Annex 3: Global map of study subjects - Master's Program "Polymer Chemistry" for graduates of the Bachelor's program Polymer Engineering and Technologies (2019)

1 st Semester (WS)		2 nd Semester (SS)		3 rd Semester (WS)		4 th 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				
Physical Chemistry of Polymers VL Elements of Structuring in Polymers	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	