

Änderung des Curriculums für das Bachelorstudium Chemistry and Chemical Technology

Das Curriculum für das Bachelorstudium Chemistry and Chemical Technology, Version V.9, kundgemacht im Mitteilungsblatt der Johannes Kepler Universität Linz vom 22.06.2018, 26. Stk., Pkt. 264, wird wie folgt geändert:

1. In § 1 Absatz 1, Absatz 2 und Absatz 3 wird die Bezeichnung ""Chemistry"" durch die Wortfolge ""Chemistry and Chemical Technology"" ersetzt.

2. § 2 Absatz 1 lautet wie folgt:

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

3. In § 2 Absatz 2 und Absatz 3 wird die Bezeichnung ""Chemistry"" durch die Wortfolge ""Chemistry and Chemical Technology"" ersetzt.

4. In § 3 Absatz 1 wird die Bezeichnung ""Chemistry"" durch die Wortfolge ""Chemistry and Chemical Technology"" ersetzt.

5. § 3 Absatz 2 lautet wie folgt:

"(2) Before completion of the studies introductory and orientation phase further courses to an extent of 22 ECTS points can be chosen out of the following list:

Code	Type of Course	Name	ECTS WS	ECTS SS
290GICHILCP18	PR	Introductory Lab Course (*)	2	
GS-ISE	KV	Introduction into Gender Studies in Science and Engineering	3	
290MAFSMC1V18	VL	Mathematics for Chemistry I	3	
290MAFSMC1K19	KV	Applications of Mathematics for Chemistry with Exercises I	4,5	
290GICHLGCP18	PR	Lab Course in General Chemistry (*)		2
290ANCHLACP18	PR	Lab Course in Analytical Chemistry (*)		5
290MAFSPHCV18	VL	Physics for Chemistry		3
290MAFSPHCU18	UE	Exercises in Physics for Chemistry		1,5
290MAFSMC2V18	VL	Mathematics for Chemistry II		3
290MAFSMC2U19	UE	Applications of Mathematics for Chemistry with Exercises II		3

(*) This course has pre-requisites. "

6. In § 3 Absatz 3 wird die Bezeichnung ""Chemistry"" durch die Wortfolge ""Chemistry and Chemical Technology"" ersetzt.

7. In § 5 Absatz 3 wird die Bezeichnung ""Chemistry"" durch die Wortfolge ""Chemistry and Chemical Technology"" ersetzt.

8. § 7 Absatz 1 lautet wie folgt:

"(1) Students of the Bachelor's program in "Chemistry and Chemical Technology" must complete a Bachelor's thesis according to § 80 UG in the course SE "Bachelor's Seminar Chemistry and Chemical Technology" (290BAARBSCS19). The Bachelor's thesis is an independent academic research paper submitted by a student in adherence to scientific and academic criteria while extending the level of a term paper in terms of quantity and quality. Students should also actively take part in a research project and the findings are to be incorporated into the Bachelor's thesis. "

9. In § 8 Absatz 2 wird die Bezeichnung ""Chemistry"" durch die Wortfolge ""Chemistry and Chemical Technology"" ersetzt.

10. In § 9 Absatz 1 wird die Bezeichnung ""Chemistry"" durch die Wortfolge ""Chemistry and Chemical Technology"" ersetzt.

11. In § 10 wird im Anschluss an Absatz 2 folgender Absatz 3 angefügt:

"(3) § 1 para. 1, 2 and 3, § 2 para. 1, 2 and 3, § 3 para. 1, 2 and 3, § 5 para. 3, § 7 para. 1, § 8 para. 2, § 9 para. 1, § 11 para. 3 and annex 1 as published in the official newsletter of the Johannes Kepler University Linz on May 21, 2019, 26th piece, 370 will take effect on October 1, 2019. "

12. In § 11 wird im Anschluss an Absatz 2 folgender Absatz 3 angefügt:

"(3) The equivalence between courses of the Bachelor's program 2012 in the currently valid version and courses of the Bachelor's program 2018 in its currently valid version is described in the study handbook of JKU (studienhandbuch.jku.at). In addition to the equivalences given in the study handbook of JKU the following equivalences are effective:

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)

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13. Annex 1 lautet wie folgt:

Annex 1: Global map of study subjects - Bachelor's Program "Chemistry and Chemical Technology" (2019)

1 st Semester (WS)		2 nd Semester (SS)		3 rd Semester (WS)		4 th Semester (SS)		5 th Semester (WS)		6 th 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 Introduction to Analytical Chemistry	3	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 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	Chemical Technologies and Chemical Process Engineering Biotechnology	3,5
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 Free Electives	1,5		
	31,5		32,5		30		28		30		28		

Total 180