

Student ID Number

Degree Program Number

K	066	863	
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EXAMINATION RASTER

JOINT MASTER PROGRAM BIOLOGICAL CHEMISTRY

(1.10.2014 - updated 1.10.2021)

Data of the Student

First name and Family name	
Phone number	
E-Mail	

Chemistry and Technology for Bachelors of Biological Chemistry [1]

Course	Code	Type	ECTS	Date	Grade
Biocatalysis [L]	863CTBCBCAV19	VL	1,5		
Biochemical Laboratory Techniques [L]	863CTBCBLTV19	VL	1,5		
Mass Spectrometry [L]	491ANCHMSPV19	VL	1,5		
Interpretation of MS and IR Spectra [L]	491ANCHMSPU19	UE	1,5		
Advanced Organic Chemistry 1 [L]	491ORCHAOCV19	VL	3		
Preparative Chemistry Laboratory for Biological Chemists	863CTBCPCLP19	PR	5		
Advanced Biotechnology [L]	491CTOMABTV19	VL	1,5		
Advanced Instrumental Analysis [L]	491ECANAIAP19	PR	2		
17,5					

Support Courses [15]

Course	Code	Type	ECTS	Date	Grade
Molecular Biologists fit for Non-Academic Careers <i>or</i> Literature Searching, Publishing and Patents	865PTSKMOBV16 290GESKLPPV18	VL	1,5		
Patent Law and Intellectual Property <i>or</i> Safety Engineering	491SOSKPLIV19 491CTIMSAEV19	VL	3		
<i>or</i>					
Ethics and Gender Studies <i>or</i> Gender Studies Managing Equality TN	GC-BC GS-ME-TN	VL KV	3		
4,5					

Biology and Biochemistry [20]

Course	Code	Type	ECTS	Date	Grade
Applications of Molecular Modelling [B]	1-20-1		2		
Bioenergetics [B]	1-20-2		4		
Computational Chemistry of Biomolecules [B]	1-20-3		4		
Electron Microscopy I [B]	1-20-4		4		
Enzymology [B]	1-20-5		3		

Genetics - the Molecular Approach [B]	1-20-6		3		
Gene and protein engineering [B]	1-20-7		4		
Experimental Methods in Protein Biochemistry [B]	1-20-8		4		
Seminar in Advanced Biological Chemistry I [B]	1-20-9		1		
Seminar in Advanced Biological Chemistry II [B]	1-20-10		1		
			30		

Pool of specific elective courses [25]

Course	Code	Type	ECTS	Date	Grade
			15		

Chemical Specialisation [30]

Two of the three chemical specialisations have to be chosen

Course	Code	Type	ECTS	Date	Grade
			8		
			8		

Biological Electives [35]

25 ECTS have to be chosen from two of the three biological electives, with a minimum of 10 ECTS in each elective

Course	Code	Type	ECTS	Date	Grade
Biological Elective: Advanced Biology and Biochemistry					
Bioinorganic Chemistry & Biophysics of Plants 1 [B]	1-35-1-1		3		
Glycobiology [B]	1-35-1-2		3		
Immunology [B]	1-35-1-3		3		
Methods of Functional Genomics [B]	1-35-1-4		5		
Molecular Immunology [B]	1-35-1-5		3		
Xenobiochemistry and Toxicology [B]	1-35-1-6		5		
Biological Elective: Molecular and Developmental Biology					
Epigenetics and regulations of gene expression [B]	1-35-2-1		4		
Development and Comparative Biochemistry [B]	1-35-2-2		3		
Molecular Phylogenetics [B]	1-35-2-3		6		
Virology [B]	1-35-2-4		3		
Molecular Ecology [B]	1-35-2-5		6		
Biological Elective: Structural Biology Techniques					
Cell Line Cultures in Vitro [B]	1-35-3-1		3		
Electron Microscopy II [B]	1-35-3-2		4		
Optical Methods in Biochemistry [B]	1-35-3-3		3		
X-Ray Crystallography [B]	1-35-3-4		4		
Principles of anticancer and antiviral drug development I [B]	1-35-3-5		3		
			25		

Master's Thesis Seminar Biological Chemistry [40]

Course	Code	Type	ECTS	Date	Grade
Master's Thesis Seminar Biological Chemistry [L]	863MAARMASS19	SE	5		
			5		

Free Electives [45]

Course	Code	Type	ECTS	Date	Grade
			15		

Grades at USB

excellent 1
 excellent minus 1-
 very good 2
 very good minus 2-
 good 3
 unsatisfactory 4

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Grades at JKU

sehr gut 1
 sehr gut 1
 gut 2
 befriedigend 3
 genügend 4
 nicht genügend 5

Linz, _____

Student Signature

Der*Die Vizerektor*in für Lehre und Studierende