

Student ID Number

Degree Program Number





## EXAMINATION RASTER

### JOINT MASTER PROGRAM BIOLOGICAL CHEMISTRY

(1.10.2014 - updated 1.10.2019)

**Data of the Student**

First name and Family name	
Phone number	
E-Mail	

**Chemistry and Technology for Bachelors of Biological Chemists [2]**

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		
<b>17,5</b>					

**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		
<b>4,5</b>					

**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		
Protein Chemistry [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		
			<b>30</b>		

**Pool of specific elective courses [25]**

Course	Code	Type	ECTS	Date	Grade
			<b>15</b>		

**Chemical Specialisation [30]**

<i>Two of the three chemical specialisations have to be chosen</i>					
Course	Code	Type	ECTS	Date	Grade
			<b>16</b>		

**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: <b>Advanced Biology and Biochemistry</b>					
Biopharmacy [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: <b>Molecular and Developmental Biology</b>					
Cell Regulation and Signalling [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		
Biological Elective: <b>Structural Biology Techniques</b>					
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		
			<b>25</b>		

**Master's Thesis Seminar Biological Chemistry [40]**

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

