

Complementary Subjects (Version WS2016)

Complementary Subjects					Bachelor or Master Degree					
					Computer Science / Business Informatics	Mathematics	Chemistry / Biolog.Chem.	Physics / Mechatronics	Biology	
Bioinformatics	Basics of Bioinformatics (12 ECTS):									
	2VL Sequence Analysis and Phylogenetics	675GTSBSAPV16	WS	3	3	3	3	3		
	2UE Sequence Analysis and Phylogenetics	675GTSBSAPU16	WS	3	3	3	3	3		
	2KV Genome Analysis & Transcriptomics	675GTSBGATK13	SS	3	3	3	3	3		
	2KV Structural Bioinformatics	675GTSBSTBK13	SS	3	3	3	3	3		
Biology/ Chemistry	Basics of Molecular Biology (4,5 ECTS):									
	2VL Molekulare Biologie der Zelle I	TPMPBVLMBZ1	WS	3	3	0	3	0		
	1UE Molekulare Biologie der Zelle I	TPMWBUEMBZ1	WS	1,5	1,5	0	1,5	0		
	Basics of Biochemistry (7,5 ECTS)									
	1KV Basics in Chemistry for Bioinformatics	875GBICBCHK12	WS	1,5	1,5	0	1,5	0		
	2KV Introduction into Instrumental Analytics for Life-Sciences	875GBICIALK12	SS	3	3	0	3	0		
	2VL Chemie für Physiker II	LP2PCVLCHP2	WS	3	3	0	0	0		
Computer Science	Basics of Algorithms and Data Structures (6 ECTS)									
	2VL Artificial Intelligence	INBIPVOAINT	WS	0	3	3	0	3		
	2VL Algorithmen und Datenstrukturen 2 <i>ODER</i>	INBIPVLALG2	WS							
	2KV Algorithmen und Datenstrukturen	TM1PEKVADAT	WS	0	0	3	0	3		
	Basics of Information Systems (6 ECTS)									
	2KV Informationssysteme <i>ODER</i>	TM1PEKVINFO	WS							
	2VL Informationssysteme 1	INBIPVLIFS1	WS	0	0	3	3	3		
	2VL Visual Analytics <i>ODER</i>	921CGELVIAV13	WS							
2UE Informationssysteme 1	INBIPUEIFS1	WS	0	3	3	3	3			
Mathematics	Basics of Mathematics (6 ECTS)									
	2KV Numerical and Symbolic Methods for Bioinformatics	875GMATNSMK12	WS	3	0	3	0	3		
	2KV Statistik 2	INMAWKVSTA2	WS	3	0	3	3	3		
					ECTS	30	30	30	30	30

Complementary Subjects for Bachelor Bioinformaticians (30 ECTS) - list of choice		
2VL Molekulare Biologie der Zelle I	TPMPBVLMBZ1	WS
1UE Molekulare Biologie der Zelle I	TPMWBUEMBZ1	WS
2KV Introduction into Instrumental Analytics for Life-Science:	875GBICIALK12	SS
1KV Basics in Chemistry for Bioinformatics	875GBICBCHK12	WS
2KV Numerical and Symbolic Methods for Bioinformatics	875GMATNSMK12	WS
2KVA Statistik 2	INMAWKVSTA2	WS
3VL Rechnerarchitektur	521HARDRARCVC16	SS
1UE Rechnerarchitektur	521HARDRARCUC16	SS
2VL Software Engineering	INBIPVOSENG	WS
1UE Software Engineering	INBIPUESENG	WS
2PR Systemnahe Programmierung	INBIPPRSPRO	WS
2VL Computer Graphics	INBIPVOCGR	SS
1UE Computer Graphics	INBIPUECOGR	SS
2VL Algorithmen und Datenstrukturen 2	INBIPVOALG2	WS
2VL Logik	521THEOLOGV13	WS
1UE Logik	521THEOLOGU13	WS
3KV Parallel Computing	921COENPACK13	SS
3KV Software Architectures	921SOENSARK13	SS
2VL Computer Forensics and IT Law	921NESECLV13	WS
2VL Visual Analytics	921CGELVIAV13	WS