Focal Area: S1: Distributed and Mobile Systems		MG	ECTS/Modul					ECTS/Sem	ECTS kum.
			A1	A2	A3	A4	A5		
1.Sem WS 23/24									
S1	MOBI-DSC-M: Data Streams and Complex Event Processing	A1	6					30	
S1	Elective A1, e.g.: KTR-Mobi-M Mobile Communication	A1	6						
	SWT-SWQ-M Software Quality	A1	6						
	Elective A2, e.g.: VIS-IVVA-M Advanced Information Visualization	A2		6					
	German as a foreign language intensive 1 (A1)	A5					6		
			18	6	0	0	6		
			18	6	0	0	6		30
2.Sem SS 24									
	KTR-GIK-M: Foundations of Internet Communication	A1	6					30	
S1	MOBI-ADM-M: Advanced Data Management	A1	6						
	SWT-ASV-M Applied Software Verification	A1	6						
	Master Seminar	A3			3				
S1	DSG-DistrSys-M: Distributed Systems	A1*					6		
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2	A5					3		
			18	0	3	0	9		
			36	6	3	0	15		60
3.Sem WS 24/25									
S1	DSG-DSAM-M: Distributed Systems Architecture and Middleware	A1	6					24	
	Master-Project	A3			6				
	Internship	A5					12		
			6	0	6	0	12		
			42	6	9	0	27		84
4.Sem SS 25									
S1 (good practice)	Elective A1, e.g.: KTR-MAKV-M Modeling and Analysis of Communication Networks and Distributed Systems	A1	6					36	
	Master Thesis	A4				30			
			6	0	0	30	0		
			48	6	9	30	27		120

*will be credited in A5

| 54 | | **120** |

Focal Area: S2: Software Analysis and Verification

		MG	A1	A2	A3	A4	A5	ECTS/Sem	ECTS kum.
1.Sem WS 23/24									
	MOBI-DSC-M: Data Streams and Complex Event Processing	A1	6						
	Import BA: GdI-IFP-B Introduction to Functional Programming	A1	6						
	Import BA: PSI-IntroSP-B Introduction to Privacy and Security	A1	6						
S2	SWT-SWQ-M Software Quality	A1	6					**30**	
	German as a foreign language intensive 1 (A1)	A5					6		
			24	0	0	0	6		
			24	0	0	0	6		30
2.Sem SS 24									
	KTR-GIK-M: Foundations of Internet Communication	A1	6						
S2	GdI-FPRS-M Functional Programming of Reactive Systems	A1	6						
S2	SWT-ASV-M Applied Software Verification	A1	6						
	Master Seminar	A3			3			**30**	
	DSG-DistrSys-M: Distributed Systems	A1*					6		
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2	A5					3		
			18	0	3	0	9		
			42	0	3	0	15		60
3.Sem WS 24/25									
	DSG-DSAM-M: Distributed Systems Architecture and Middleware	A1	6						
	Master-Project	A3			6			**24**	
	Internship	A5					12		
			6	0	6	0	12		
			48	0	9	0	27		84
4.Sem SS 25									
S2	PSI-AdvaSP-M: Advanced Security and Privacy	A1	6					**36**	
	Master Thesis	A4				30			
			6	0	0	30	0		
			54	0	9	30	27		120
				54					**120**

*will be credited in A5

Focal Area: S3: Service-oriented Architectures									
		MG	**ECTS/Modul**					**ECTS/Sem**	**ECTS kum.**
			A1	**A2**	**A3**	**A4**	**A5**		
1.Sem WS 23/24									
	MOBI-DSC-M: Data Streams and Complex Event Processing	A1	6						
S3	Elective A2, e.g.: EESYS-ADAML-Applied Data Analytics and Machine Learning in R	A1		6					
S3	Elective A1, e.g.: SYSNAP-Virt-M Virtualization	A1	6						
	SWT-SWQ-M Software Quality	A1	6						
	German as a foreign language intensive 1 (A1)	A5					6		
			18	6	0	0	6	**30**	
			18	6	0	0	6		**30**
2.Sem SS 24									
S3	KTR-GIK-M: Foundations of Internet Communication	A1	6						
S3 (best practice)	Elective A2, e.g.: EESYS-ES-M Energy Efficient Systems	A2		6					
S3 (best practice)	Elective A1, e.g.: SYSNAP-OSE-M Operating Systems Engineering	A1	6						
	Master Seminar	A3			3				
S3	DSG-DistrSys-M: Distributed Systems	A1*					6		
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2	A5					3		
			12	6	3	0	9	**30**	
			30	12	3	0	15		**60**
3.Sem WS 24/25									
	DSG-DSAM-M Distributed Systems Architecture and Middleware	A1	6						
	Master-Project	A3			6				
	Internship	A5					12		
			6	0	6	0	12	**24**	
			36	12	9	0	27		**84**
4.Sem SS 25									
S3 (best practice)	DSG-SOA-M Service-Oriented Architecture and Web Services	A1	6						
	Master Thesis	A4				30			
			6	0	0	30	0	**36**	
			42	12	9	30	27		**120**

*will be credited in A5

54		**120**

Focal Area: S4: Communication Systems and Protocols		MG	ECTS/Modul					ECTS/Sem	ECTS kum.
			A1	A2	A3	A4	A5		
1.Sem WS 23/24									
S4	MOBI-DSC-M: Data Streams and Complex Event Processing	A1	6					**24**	
S4	Elective A1, e.g.: SYSNAP-Virt-M Virtualization	A1	6						
	SWT-SWQ-M Software Quality	A1	6						
	German as a foreign language intensive 1 (A1)	A5					6		
			18	0	0	0	6		
			18	0	0	0	6		24
2.Sem SS 24									
S4	KTR-GIK-M: Foundations of Internet Communication	A1	6					**30**	
S4 (best practice)	SWT-ASV-M Applied Software Verification	A1	6						
S4 (best practice)	Elective A1, e.g.: SYSNAP-OSE-M Operating Systems Engineering	A1	6						
	Master Seminar	A3			3				
S4	DSG-DistrSys-M: Distributed Systems	A1*					6		
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2	A5					3		
			18	0	3	0	9		
			36	0	3	0	15		54
3.Sem WS 24/25									
	DSG-DSAM-M Distributed Systems Architecture and Middleware	A1	6					**30**	
S4	KTR-Mobi-M Mobile Communication	A1	6						
	Master-Project	A3			6				
	Internship	A5					12		
			12	0	6	0	12		
			48	0	9	0	27		84
4.Sem SS 25									
S4 (best practice)	Elective A1, e.g.: KTR-MMK-M Multimedia Communication in High Speed Networks	A1	6					**36**	
	Master Thesis	A4				30			
			6	0	0	30	0		
			54	0	9	30	27		120
			54					**120**	

*will be credited in A5