

Focus Area: S1: Distributed and Mobile Systems							MG ECTS/Modul					ECTS/Sem	ECTS kum.	
1.Sem WS 24/25			A1	A2	A3	A4	A5							
S1	Elective A1, Focus Area S1, e.g.: MOBI-DSC-M Data Streams and Complex Event Processing	A1	6					30						
	Elective A1, Focus Area S2, e.g.: Gdl-IFP-M Introduction to Functional Programming	A1	6											
	Elective A1, Focus Area S3, e.g.: SYSNAP-Virt-M Virtualization	A1	6											
S1/S4	Elective A1, Focus Area S4, e.g.: KTR-Mobi-M Mobile Communication	A1	6											
	German as a foreign language intensive 1 (A1)	A5					6							
			24	0	0	0	6							
			24	0	0	0	6						30	
2.Sem SS 25														
S1	Elective A1, Focus Area S1, e.g.: e.g.: Gdl-FPRS-M: Functional Programming of Reactive Systems	A1	6					30						
	Elective A1, no special Focus Area required	A1	6											
	Elective A1, no special Focus Area required (alternative: Elective A2)	A1 (A2)*					6							
	Elective A2, (Elective A1, no special Focus Area required)	A2		6										
S1	Master-Seminar	A3			3									
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2	A5					3							
			12	6	3	0	9							
			36	6	3	0	15						60	
3.Sem WS 25/26														
	Elective A1, no special Focus Area required (alternative: Elective A2)	A1	6					30						
	Elective A1, no special Focus Area required (alternative: Elective A2)	A1 (A2)	6											
S1	Master-Project	A3		6										
	Internship	A5					12							
			12	6	0	0	12							
			48	12	3	0	27						90	
4.Sem SS 26														
S1	Master Thesis	A4				30		30						
			0	0	0	30	0							
			48	12	3	30	27							
			60										120	

*will be credited in A5

Focus Area: S2: Software Analysis and Verification							MG ECTS/Modul					ECTS/Sem	ECTS kum.		
1.Sem WS 24/25			A1	A2	A3	A4	A5						30	30	
	Elective A1, Focus Area S1, e.g.: MOBI-DSC-M Data Streams and Complex Event Processing	A1	6												
S2	Elective A1, Focus Area S2, e.g.: GdI-IFP-M Introduction to Functional Programming	A1	6												
	Elective A1, Focus Area S3, e.g.: SYSNAP-Virt-M Virtualization	A1	6												
	Elective A1, Focus Area S4, e.g.: KTR-Mobi-M Mobile Communication	A1	6												
	German as a foreign language intensive 1 (A1)	A5										6			
			24	0	0	0	0					6			
			24	0	0	0	0					6			
2.Sem SS 25													30	60	
S2	Elective A1, Focus Area S2, e.g.: GdI-FPRS-M Functional Programming of Reactive Systems	A1	6												
	Elective A1, no special Focus Area required	A1	6												
	Elective A1, no special Focus Area required (alternative: Elective A2)	A1 (A2)*										6			
	Elective A2, (Elective A1, no special Focus Area required)	A2		6											
S2	Master-Seminar	A3			3										
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2	A5										3			
			12	6	3	0	9								
			36	6	3	0	15								
3.Sem WS 25/26													30	90	
S2	Elective A1, Focus Area S2, e.g.: AISE-UL Universal Logic & Universal Reasoning	A1	6												
	Elective A2, (Elective A1, no special Focus Area required)	A1 (A2)		6											
S2	Master-Project	A3			6										
	Internship	A5										12			
			6	6	6	0	12								
			42	12	9	0	27								
4.Sem SS 26													30	120	
S2	Master Thesis	A4				30									
			0	0	0	30	0								
			42	12	9	30	27								
			54											120	

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Focus Area: S2: Software Analysis and Verification							MG ECTS/Modul					ECTS/Sem	ECTS kum.	
1.Sem WS 24/25			A1	A2	A3	A4	A5						30	30
	Elective A1, Focus Area S1, e.g.: MOBI-DSC-M Data Streams and Complex Event Processing	A1	6											
	Elective A1, Focus Area S2, e.g.: Gdl-IFP-M Introduction to Functional Programming	A1	6											
S3	Elective A1, Focus Area S3, e.g.: SYSNAP-Virt-M Virtualization	A1	6											
	Elective A1, Focus Area S4, e.g.: KTR-Mobi-M Mobile Communication	A1	6											
	German as a foreign language intensive 1 (A1)	A5					6							
			24	0	0	0	6							
			24	0	0	0	6							
2.Sem SS 25													30	60
S3	Elective A1, Focus Area S3, e.g.: SYSNAP-OSE-M Operating Systems Engineering	A1	6											
	Elective A1, no special Focus Area required	A1	6											
	Elective A1, no special Focus Area required (alternative: Elective A2)	A1 (A2)*					6							
	Elective A2, (Elective A1, no special Focus Area required)	A2		6										
S3	Master-Seminar	A3			3									
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2	A5					3							
			12	6	3	0	9							
			36	6	3	0	15							
3.Sem WS 25/26													30	90
S3	Elective A1, Focus Area S3, e.g.: SYSNAP-OSE-M Operating Systems Engineering	A1	6											
	Elective A2, (Elective A1, no special Focus Area required)	A1 (A2)		6										
S3	Master-Project	A3			6									
	Internship	A5					12							
			6	6	6	0	12							
			42	12	9	0	27							
4.Sem SS 26													30	120
S3	Master Thesis	A4				30								
			0	0	0	30	0							
			42	12	9	30	27							
			54										120	

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Focus Area: S2: Software Analysis and Verification							MG ECTS/Modul					ECTS/Sem	ECTS kum.
							A1	A2	A3	A4	A5	30	30
1.Sem WS 24/25													
	Elective A1, Focus Area S1, e.g.: MOBI-DSC-M Data Streams and Complex Event Processing						A1	6					
	Elective A1, Focus Area S2, e.g.: Gdl-IFP-M Introduction to Functional Programming						A1	6					
	Elective A1, Focus Area S3, e.g.: SYSNAP-Virt-M Virtualization						A1	6					
S4	Elective A1, Focus Area S4, e.g.: KTR-Mobi-M Mobile Communication						A1	6					
	German as a foreign language intensive 1 (A1)						A5					6	
								24	0	0	0	6	
								24	0	0	0	6	
2.Sem SS 25													
S4	Elective A1, Focus Area S4; e.g.: DT-DBCPU-M: Database Systems for modern CPU						A1	6					
	Elective A1, no special Focus Area required						A1	6					
	Elective A1, no special Focus Area required (alternative: Elective A2)						A1 (A2)*					6	
	Elective A2, (Elective A1, no special Focus Area required)						A2		6				
S4	Master-Seminar						A3			3			
	German as a foreign language: Practical Language Training B1: creative writing and speaking freely 2						A5					3	
								12	6	3	0	9	
								36	6	3	0	15	
3.Sem WS 25/26													
S4	Elective A1, Focus Area S4; e.g.: SYSNAP-OSE-M: Operating Systems Engineering						A1	6					
	Elective A2, (Elective A1, no special Focus Area required)						A1 (A2)		6				
S4	Master-Project						A3			6			
	Internship						A5					12	
								6	6	6	0	12	
								42	12	9	0	27	
4.Sem SS 26													
S4	Master Thesis						A4				30		
								0	0	0	30	0	
								42	12	9	30	27	
								54					
												120	

*will be credited in A5