

# Course of Study Information and Communication Systems (Study Cohort w22)

Sample course plan D Master Information and Communication Systems (IMPICS)

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Specialisation Secure and Dependable IT Systems, Focus Networks, Focus Software and Signal Processing

1	<b>Software Verification</b>		<b>Information Theory and Coding</b>		<b>Research Project ICS</b>		<b>Master Thesis</b>
2	Software Verification	VL 2	Information Theory and Coding	VL 3	Research Project ICS	PK 8	
3	Software Verification	GÜ 2	Information Theory and Coding	HÜ 2			
4							
5							
6							
7	<b>Software Security</b>		<b>Cybersecurity Data Science</b>				
8	Software Security	VL 2	Cybersecurity Data Science	VL 2			
9	Software Security	GÜ 2	Exercise Cybersecurity Data Science	PBL 2			
10							
11							
12							
13	<b>Communication Networks</b>		<b>Advanced Internet Computing</b>		<b>Advanced Seminars Computer Science and Communication Technology</b>		
14	Communication Networks	VL 2	Advanced Internet Computing	VL 2	Advanced Seminar Computer Science and Communication Technology I	SE 2	
15	Communication Networks Exercise	PBL 1	Advanced Internet Computing	PBL 2	Introductory Seminar Computer Science and Communication Technology II	SE 2	
16	Selected Topics of Communication Networks	PBL 2					
17							
18							
19			<b>Secure Software Engineering</b>		<b>Security of Cyber-Physical Systems</b>		
20			Secure Software Engineering	VL 2	Security of Cyber-Physical Systems	VL 2	
21			Secure Software Engineering	PBL 2	Security of Cyber-Physical Systems	GÜ 2	
22							
23							
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30							
Business & Management (from catalogue) - 6LP							
Non-technical Courses for Master (from catalogue) - 6LP							
Technical Complementary Course for IMPICS (according to Subject Specific Regulations) - 12LP							

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

