

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

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

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

Legend:

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

1	Practical module 1 (dual study program, Master's degree) Practical term 1 0	Information Theory and Coding Information Theory and Coding VL 3 Information Theory and Coding HÜ 2	Practical module 3 (dual study program, Master's degree) Practical term 3 0	Master thesis (dual study program)
2				
3				
4				
5				
6				
7	Practical module 2 (dual study program, Master's degree) Practical term 2 0	Research Project ICS Research Project ICS PK 8		
8				
9				
10				
11	Software Verification Software Verification VL 2 Software Verification GÜ 2	Cybersecurity Data Science Cybersecurity Data Science VL 2 Exercise Cybersecurity Data Science PBL 2	Advanced Seminars Computer Science and Communication Technology Advanced Seminar Computer Science and Communication Technology I SE 2 Introductory Seminar Computer Science and Communication Technology II SE 2	
12				
13				
14				
15				
16				
17	Software Security Software Security VL 2 Software Security GÜ 2	Advanced Internet Computing Advanced Internet Computing VL 2 Advanced Internet Computing PBL 2	Secure Software Engineering Secure Software Engineering VL 2 Secure Software Engineering PBL 2	
18				
19				
20				
21				
22				
23	Communication Networks Communication Networks VL 2 Communication Networks Exercise PBL 1 Selected Topics of Communication Networks PBL 2	Security of Cyber-Physical Systems Security of Cyber-Physical Systems VL 2 Security of Cyber-Physical Systems GÜ 2		
24				
25				
26				
27	Business & Management (from catalogue) - 6LP			
28	Linking theory and practice (dual study program, Master's degree) (from catalogue) - 6LP			
29	Technical Complementary Course for IMPICS (according to Subject Specific Regulations) - 12LP			
30				
31				
32				
33				
34				

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

