

Course of Study Information and Communication Systems (Study Cohort w21)

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

Legend:

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

Year	Course	Code	Credits	Category	Course	Code	Credits	Category	Course	Code	Credits	Category
1	Software Verification				Information Theory and Coding				Research Project and Seminar			
2	Software Verification	VL	2	Specialisation Compulsory	Information Theory and Coding	VL	3	Specialisation Compulsory	Seminar	SE	2	Thesis Compulsory
3	Software Verification	GÜ	2	Focus Elective Compulsory	Information Theory and Coding	HÜ	2	Interdisciplinary complement	Research Project	PK	10	Thesis Compulsory
4												
5												
6												
7	Communication Networks				Model Checking - Proof Engines and Algorithms							
8	Communication Networks	VL	2	Specialisation Compulsory	Model Checking - Proof Engines and Algorithms	VL	2	Specialisation Compulsory				
9	Communication Networks Exercise	PBL	1	Focus Elective Compulsory	Model Checking - Proof Engines and Algorithms	GÜ	2	Interdisciplinary complement				
10	Selected Topics of Communication Networks	PBL	2	Focus Elective Compulsory								
11												
12												
13	Digital Image Analysis				Design of Dependable Systems							
14	Digital Image Analysis	VL	4	Specialisation Compulsory	Designing Dependable Systems	VL	2	Specialisation Compulsory				
15					Designing Dependable Systems	GÜ	2	Interdisciplinary complement				
16												
17												
18												
19					Advanced Internet Computing				Security of Cyber-Physical Systems			
20					Advanced Internet Computing	VL	2	Specialisation Compulsory	Security of Cyber-Physical Systems	VL	2	Specialisation Compulsory
21					Advanced Internet Computing	PBL	2	Focus Elective Compulsory	Security of Cyber-Physical Systems	GÜ	2	Interdisciplinary complement
22												
23												
24												
25					Satellite Communications and Navigation							
26					Satellite Communications	VL	2	Specialisation Compulsory				
27					Radio-Based Positioning and Navigation	VL	2	Specialisation Compulsory				
28												
29												
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.

