

# Course of Study Information and Communication Systems (Study Cohort w18)

Sample course plan D Master Information and Communication Systems (IMPICS)  
 Specialisation Secure and Dependable IT Systems, Focus Networks, Focus Software and Signal Processing

Legend:

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

LP	Semester 1	Form	Hrs/v	Semester 2	Form	Hrs/v	Semester 3	Form	Hrs/v	Semester 4	Form	Hrs/v
1	<b>Software Verification</b>			<b>Information Theory and Coding</b>			<b>Research Project and Seminar</b>			<b>Master Thesis</b>		
2	Software Verification	VL	2	Information Theory and	VL	3	Seminar	SE	2			
3	Software Verification	UE	2	Coding			Project Work	PK	10			
4				Information Theory and	HÜ	1						
5				Coding								
6												
7	<b>Communication Networks</b>			<b>Application Security</b>								
8	Analysis and Structure of	VL	2	Application Security	VL	3						
9	Communication Networks			Application Security	UE	2						
10	Communication Networks	PBL	1									
11	Excercise											
12	Selected Topics of	PBL	2									
	Communication Networks											
13	<b>Digital Image Analysis</b>			<b>Design of Dependable Systems</b>								
14	Digital Image Analysis	VL	4	Designing Dependable	VL	2						
15				Systems								
16				Designing Dependable	UE	2						
17				Systems								
18												
19				<b>Pattern Recognition and Data</b>			<b>Traffic Engineering</b>					
20				<b>Compression</b>			Traffic Engineering	VL	2			

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Business & Management (from catalogue) - 6LP					
Nontechnical Elective Complementary 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.