Course of Study Computer Science in Engineering (Study Cohort w22)

Sample course plan N Master Computer Science in Engineering (IIWMS)
Specialisation I. Computer Science, Specialisation II. Engineering Science, Specialisation III. Mathematics, Specialisation IV. Subject Specific Focus

Legend:

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

LP													
1	**Software Security**			**Design of Dependable Systems**			**Research Project**			**Master Thesis**			
2	Software Security	VL	2	Designing Dependable Systems	VL	2	Research Project IIW	PK	8				
3	Software Security	GÜ	2	Designing Dependable Systems	GÜ	2							
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7	**Digital Communications**			**Information Theory and Coding**									
8	Digital Communications	VL	2	Information Theory and Coding	VL	3							
9	Digital Communications	HÜ	2	Information Theory and Coding	HÜ	2							
10	Laboratory Digital Communications	PR	1										
11													
12													
13	**Linear and Nonlinear Optimization**			**Randomised Algorithms and Random Graphs**			**Communication Networks**						
14	Linear and Nonlinear Optimization	VL	4	Randomised Algorithms and Random Graphs	VL	2	Communication Networks	VL	2				
15	Linear and Nonlinear Optimization	HÜ	1	Randomised Algorithms and Random Graphs	HÜ	2	Communication Networks Excercise	PBL	1				
16							Selected Topics of Communication Networks	PBL	2				
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Business & Management (from catalogue) - 6LP

Non-technical Courses for Master (from catalogue) - 6LP

Technical Complementary Course II for Computational Science and Engineering - 12LP

Technical Complementary Course I for Computational Science and Engineering - 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.