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

Sample course plan N Master Computer Science in Engineering (IIWMS) Dual study program
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	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	**Practical module 1 (dual study program, Master's degree)**			**Practical module 2 (dual study program, Master's degree)**			**Research Project**			**Master thesis (dual study program)**		
2	Practical term 1		0	Practical term 2		0	Research Project IIW	PK	8			
3												
4												
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7												
8												
9												
10												
11	**Software Security**			**Design of Dependable Systems**								
12	Software Security	VL	2	Designing Dependable Systems	VL	2						
13	Software Security	GÜ	2	Designing Dependable Systems	GÜ	2	**Practical module 3 (dual study program, Master's degree)**					
14							Practical term 3		0			
15												
16												
17	**Digital Communications**			**Information Theory and Coding**								
18	Digital Communications	VL	2	Information Theory and Coding	VL	3						
19	Digital Communications	HÜ	2	Information Theory and Coding	HÜ	2						
20	Laboratory Digital Communications	PR	1									
21												
22												
23	**Linear and Nonlinear Optimization**			**Randomised Algorithms and Random Graphs**			**Communication Networks**					
24	Linear and Nonlinear Optimization	VL	4	Randomised Algorithms and Random Graphs	VL	2	Communication Networks	VL	2			
25	Linear and Nonlinear Optimization	HÜ	1	Randomised Algorithms and Random Graphs	HÜ	2	Communication Networks Excercise	PBL	1			
26							Selected Topics of Communication Networks	PBL	2			
27												
28												
29												
30												

Business & Management (from catalogue) - 6LP
Linking theory and practice (dual study program, Master's degree) (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.