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

Sample course plan A 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	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	**Software Verification**			**Algorithmic Game Theory**			**Research Project**			**Master Thesis**		
2	Software Verification	VL	2	Algorithmic game theory	VL	2	Research Project IIW	PK	8			
3	Software Verification	GÜ	2	Algorithmic game theory	HÜ	2						
4												
5												
6												
7	**Mathematical Image Processing**			**Advanced Internet Computing**								
8	Mathematical Image Processing	VL	3	Advanced Internet Computing	VL	2						
9	Mathematical Image Processing	GÜ	1	Advanced Internet Computing	PBL	2						
10												
11												
12												
13				**Information Theory and Coding**			**Advanced Machine Learning**					
14				Information Theory and Coding	VL	3	Advanced Machine Learning	VL	2			
15				Information Theory and Coding	HÜ	2	Advanced Machine Learning	GÜ	2			
16												
17												
18												
19				**Machine Learning in Electrical Engineering and Information Technology**								
20				General Introduction Machine Learning	VL	1						
21				Machine Learning in Wireless Communications	VL	1						
22				Machine Learning in Electromagnetic Compatibility Engineering	VL	1						
23				Machine Learning in High-Frequency Technology and Radar	VL	1						
24				Machine Learning Applications in Electric Power Systems	VL	1						
25												
26												
27												
28												
29												
30												

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.