Course of Study Computer Science (Study Cohort w22)

Sample course plan M Master Computer Science (CSMS) Dual study program
Specialisation I. Computer and Software Engineering, Specialisation II: Intelligence Engineering, Specialisation III. Mathematics, Specialisation IV. Subject Specific Focus

#	Col 1			Col 2			Col 3			Col 4
1	**Practical module 1 (dual study program, Master's degree)**			**Practical module 2 (dual study program, Master's degree)**			**Research Project Computer Science**			**Master thesis (dual study program)**
2	Practical term 1		0	Practical term 2		0	Research Project Computer Science	PK	8	
3										
4										
5										
6										
7										
8										
9										
10										
11	**Security of Cyber-Physical Systems**			**Compilers for Embedded Systems**						
12	Security of Cyber-Physical Systems	VL	2	Compilers for Embedded Systems	VL	3				
13	Security of Cyber-Physical Systems	GÜ	2	Compilers for Embedded Systems	PBL	1	**Practical module 3 (dual study program, Master's degree)**			
14							Practical term 3		0	
15										
16										
17	**Intelligent Autonomous Agents and Cognitive Robotics**			**Model Checking - Proof Engines and Algorithms**						
18	Intelligent Autonomous Agents and Cognitive Robotics	VL	2	Model Checking - Proof Engines and Algorithms	VL	2				
19	Intelligent Autonomous Agents and Cognitive Robotics	GÜ	2	Model Checking - Proof Engines and Algorithms	GÜ	2				
20										
21										
22										
23	**Hierarchical Algorithms**			**Machine Learning and Data Mining**			**Intelligent Systems in Medicine**			
24	Hierarchical Algorithms	VL	2	Machine Learning and Data Mining	VL	2	Intelligent Systems in Medicine	VL	2	
25	Hierarchical Algorithms	GÜ	2	Machine Learning and Data Mining	GÜ	2	Intelligent Systems in Medicine	GÜ	1	
26							Intelligent Systems in Medicine	PS	2	
27										
28										
29				**Randomised Algorithms and Random Graphs**			**Advanced Machine Learning**			
30				Randomised Algorithms and Random Graphs	VL	2	Advanced Machine Learning	VL	2	
31				Randomised Algorithms and Random Graphs	HÜ	2	Advanced Machine Learning	GÜ	2	
32										
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| Business & Management (from catalogue) - 6LP |
| Linking theory and practice (dual study program, Master's degree) (from catalogue) - 6LP |
| Technical Complementary Course I for CSMS - 6LP |
| Technical Complementary Course II for CSMS - 6LP |

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.