Course of Study Computer Science (Study Cohort w21)

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

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1	**Security of Cyber-Physical Systems**			**Compilers for Embedded Systems**			**Research Project Computer Science**			**Master Thesis**	
2	Security of Cyber-Physical Systems	VL	2	Compilers for Embedded Systems	VL	3	Research Project Computer Science	PK	8		
3	Security of Cyber-Physical Systems	GÜ	2	Compilers for Embedded Systems	PBL	1					
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7	**Intelligent Autonomous Agents and Cognitive Robotics**			**Model Checking - Proof Engines and Algorithms**							
8	Intelligent Autonomous Agents and Cognitive Robotics	VL	2	Model Checking - Proof Engines and Algorithms	VL	2					
9	Intelligent Autonomous Agents and Cognitive Robotics	GÜ	2	Model Checking - Proof Engines and Algorithms	GÜ	2					
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13	**Hierarchical Algorithms**			**Machine Learning and Data Mining**			**Intelligent Systems in Medicine**				
14	Hierarchical Algorithms	VL	2	Machine Learning and Data Mining	VL	2	Intelligent Systems in Medicine	VL	2		
15	Hierarchical Algorithms	GÜ	2	Machine Learning and Data Mining	GÜ	2	Intelligent Systems in Medicine	GÜ	1		
16							Intelligent Systems in Medicine	PS	2		
17											
18											
19				**Randomised Algorithms and Random Graphs**			**Advanced Machine Learning**				
20				Randomised Algorithms and Random Graphs	VL	2	Advanced Machine Learning	VL	2		
21				Randomised Algorithms and Random Graphs	HÜ	2	Advanced Machine Learning	GÜ	2		
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Business & Management (from catalogue) - 6LP	
Non-technical Courses for Master (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.