

Course of Study Computer Science (Study Cohort w22)

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

Legend:

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

LP	Semester 2				Semester 3				Semester 4							
	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk				
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											
4																
5																
6																
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											
10																
11																
12																
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.

