

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

Legend:

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

III, IV Mathematics, Specialisation IV. Subject Specific Focus

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							
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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.

