

Course of Study Computer Science (Study Cohort w20)

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

LP	Semester 1	Semester 2	Semester 3	Semester 4
	Form	Form	Form	Form
	Hrs/wk	Hrs/wk	Hrs/wk	Hrs/wk
1	Distributed Algorithms	Computer Graphics	Research Project Computer Science	Master Thesis
2	Distributed Algorithms VL 2	Computer Graphics VL 2	Research Project Computer Science PK 8	
3	Distributed Algorithms HÜ 2	Computer Graphics GÜ 2		
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	Mathematics of Neural Networks	
20		Randomised Algorithms and Random Graphs VL 2	Mathematics of Neural Networks VL 2	
21		Randomised Algorithms and Random Graphs HÜ 2	Mathematics of Neural Networks GÜ 2	
22				
23				
24				
25			Advanced Seminars Computer Science	
26			Advanced Seminar Computer Science I SE 2	
27			Introductory Seminar Computer Science II SE 2	
28				
29				
30				
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.

