

Course of Study Computer Science (Study Cohort w22)

Sample course plan B 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	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk	
1			Software Verification			Computer Graphics			Research Project Computer Science			
2		VL 2	Software Verification		VL 2	Computer Graphics		PK 8	Master Thesis			
3		GÜ 2	Software Verification		GÜ 2	Computer Graphics						
4												
5												
6												
7			Intelligent Autonomous Agents and Cognitive Robotics			Design of Dependable Systems						
8		VL 2	Intelligent Autonomous Agents and Cognitive Robotics		VL 2	Designing Dependable Systems						
9		GÜ 2	Intelligent Autonomous Agents and Cognitive Robotics		GÜ 2	Designing Dependable Systems						
10												
11												
12												
13			Linear and Nonlinear Optimization			Machine Learning and Data Mining				Medical Imaging		
14		VL 4	Linear and Nonlinear Optimization		VL 2	Machine Learning and Data Mining		VL 2		Medical Imaging		
15		HÜ 1	Linear and Nonlinear Optimization		GÜ 2	Machine Learning and Data Mining		GÜ 2		Medical Imaging		
16												
17												
18												
19						Probability Theory				Mathematical Image Processing		
20					VL 3	Probability Theory		VL 3		Mathematical Image Processing		
21					GÜ 1	Probability Theory		GÜ 1		Mathematical Image Processing		
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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.

