

# Course of Study Computer Science (Study Cohort w21)

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

Semester	Semester 2			Semester 3			Semester 4			
	Form	Hrs/wk		Form	Hrs/wk		Form	Hrs/wk		
1	<b>Software Verification</b>			<b>Computer Graphics</b>			<b>Research Project Computer Science</b>			<b>Master Thesis</b>
2	Software Verification	VL	2	Computer Graphics	VL	2	Research Project Computer Science	PK	8	
3	Software Verification	GÜ	2	Computer Graphics	GÜ	2				
4										
5										
6										
7	<b>Digital Image Analysis</b>			<b>Design of Dependable Systems</b>						
8	Digital Image Analysis	VL	4	Designing Dependable Systems	VL	2				
9				Designing Dependable Systems	GÜ	2				
10										
11										
12										
13	<b>Linear and Nonlinear Optimization</b>			<b>Machine Learning and Data Mining</b>			<b>Medical Imaging</b>			
14	Linear and Nonlinear Optimization	VL	4	Machine Learning and Data Mining	VL	2	Medical Imaging	VL	2	
15	Linear and Nonlinear Optimization	HÜ	1	Machine Learning and Data Mining	GÜ	2	Medical Imaging	GÜ	2	
16										
17										
18										
19				<b>Probability Theory</b>			<b>Mathematical Image Processing</b>			
20				Probability Theory	VL	3	Mathematical Image Processing	VL	3	
21				Probability Theory	GÜ	1	Mathematical Image Processing	GÜ	1	
22										
23										
24										
25							<b>Advanced Seminars Computer Science</b>			
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.

