

Course of Study Computer Science (Study Cohort w19)

Sample course plan S Master Computer Science (CSMS)
Specialisation Computer and Software Engineering

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

LP	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk
1	Efficient Algorithms		Computer Graphics		Research Project and Seminar		Master Thesis	
2	Efficient Algorithms	VL 2	Computer Graphics	VL 2	Seminar	SE 2		
3	Efficient Algorithms	UE 2	Computer Graphics	UE 2	Project Work	PK 10		
4								
5								
6								
7	Algorithmic Algebra		Application Security					
8	Algorithmic Algebra	VL 3	Application Security	VL 3				
9	Algorithmic Algebra	UE 1	Application Security	UE 2				
10								
11								
12								
13	Software Verification		Software Testing					
14	Software Verification	VL 2	Software Testing	VL 2				
15	Software Verification	UE 2	Software Testing	PBL 2				
16								
17								
18								
19	Distributed Algorithms		Model Checking - Proof Engines and Algorithms		Traffic Engineering			
20	Distributed Algorithms	VL 2	Model Checking - Proof Engines and Algorithms	VL 2	Traffic Engineering	VL 2		
21	Distributed Algorithms	HÜ 2	Model Checking - Proof Engines and Algorithms	UE 2	Traffic Engineering Exercises	UE 1		
22			Model Checking - Proof Engines and Algorithms	UE 2	Seminar Traffic Engineering	SE 2		
23								
24								
25					Advanced System-on-Chip Design (Lab)			
26					Advanced System-on-Chip Design	PBL 3		
27								
28								
29								
30								
Business & Management (from catalogue) - 6LP								
Non-technical Courses for Master (from catalogue) - 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.

