

Course of Study Computer Science (Study Cohort w15)

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

Legend:

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

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	Efficient Algorithms			Nonlinear Optimization			Research Project and Seminar			Master Thesis		
2	Efficient Algorithms	VL	2	Nonlinear Optimization	VL	3	Seminar	SE	2			
3	Efficient Algorithms	UE	2	Nonlinear Optimization	UE	1						
4												
5												
6												
7	Algebraic Statistics for Computational Biology			Computer Graphics and Animation								
8	Algebraic Statistics for Computational Biology	VL	2	Computer Graphics and Animation	VL	2						
9	Algebraic Statistics for Computational Biology	UE	2	Computer Graphics and Animation	PS	2						
10												
11												
12												
13	Software Verification			High-Performance Computing								
14	Software Verification	VL	2	Fundamentals of High-Performance Computing	VL	2						
15	Software Verification	UE	2	Fundamentals of High-Performance Computing	POL	2						
16	Software Verification	HÜ	2									
17												
18												
19	Distributed Algorithms			Software Analysis			The Computational Web					
20	Distributed Algorithms	VL	2	Software Analysis	VL	2	The Computational Web	VL	2			
21	Distributed Algorithms	HÜ	2	Software Analysis	UE	2	The Computational Web	PS	2			
22												
23												
24												
25							Software Security					
26							Software Security	VL	2			
27							Software Security	UE	2			
28												
29												
30												

Business & Management (from catalogue) - 6LP

Nontechnical Elective Complementary 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.