Course of Study Computer Science (Study Cohort w16)

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

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	PS	2	Project Work	PK	10			
4												
5												
6												
7	**Algebraic Statistics for Computational Biology**			**Software Analysis**								
8	Algebraic Statistics for Computational Biology	VL	4	Software Analysis	VL	2						
9				Software Analysis	UE	2						
10												
11												
12												
13	**Software Verification**			**Network Security**								
14	Software Verification	VL	2	Network Security	VL	3						
15	Software Verification	UE	2	Network Security	UE	2						
16												
17												
18												
19				**Security in Embedded Hardware**			**Scientific Computing and Accuracy**					
20				Security in Embedded Hardware	VL	2	Verification Methods	VL	2			
21				Security in Embedded Hardware	UE	2	Verification Methods	UE	2			
22												
23												
24												
25				**Cryptography**			**Software Security**					
26				Cryptography	VL	2	Software Security	VL	2			
27				Cryptography	UE	2	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.