Course of Study Computer Science (Study Cohort w19)

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

Legend:

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**			**Simulation of Communication Networks**			**Research Project and Seminar**			**Master Thesis**		
2	Efficient Algorithms	VL	2	Simulation of Communication Networks	PBL	5	Seminar	SE	2			
3	Efficient Algorithms	UE	2				Project Work	PK	10			
4												
5												
6												
7	**Communication Networks**			**Software for Embedded Systems**								
8	Analysis and Structure of Communication Networks	VL	2	Software for Embdedded Systems	VL	2						
9				Software for Embdedded Systems	UE	3						
10	Communication Networks Excercise	PBL	1									
11												
12	Selected Topics of Communication Networks	PBL	2									
13	**Distributed Algorithms**			**Compilers for Embedded Systems**								
14	Distributed Algorithms	VL	2	Compilers for Embedded Systems	VL	3						
15												
16	Distributed Algorithms	HÜ	2	Compilers for Embedded Systems	PBL	1						
17												
18												
19				**Wireless Sensor Networks**			**Traffic Engineering**					
20				Wireless Sensor Networks	VL	2	Traffic Engineering	VL	2			
21												
22				Wireless Sensor Networks	UE	1	Traffic Engineering Exercises	UE	1			
23				Wireless Sensor Networks: Project	PBL	2	Seminar Traffic Engineering	SE	2			
24												
25				**Curves, Cryptosystems and Quantum Computing**			**Advanced System-on-Chip Design (Lab)**					
26							Advanced System-on-Chip Design	PBL	3			
27				Curves, Cryptosystems and Quantum Computing	VL	4						
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.