

# Course of Study Computer Science (Study Cohort w16)

Sample course plan T 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	<b>Digital Communications</b>			<b>Information Theory and Coding</b>			<b>Research Project and Seminar</b>			<b>Master Thesis</b>		
2	Digital Communications	VL	2	Information Theory and Coding	VL	3	Seminar	SE	2			
3	Digital Communications	HÜ	1	Information Theory and Coding	HÜ	1	Project Work	PK	10			
4	Laboratory Digital Communications	PR	1									
5												
6												
7	<b>Digital Signal Processing and Digital Filters</b>			<b>Communication Networks II - Simulation and Modeling</b>								
8	Digital Signal Processing and Digital Filters	VL	3	Simulation and Modelling of Communication Networks	POL	5						
9	Digital Signal Processing and Digital Filters	HÜ	1									
10												
11												
12												
13	<b>Communication Networks I - Analysis and Structure</b>			<b>Software for Embedded Systems</b>								
14	Analysis and Structure of Communication Networks	VL	2	Software for Embedded Systems	VL	2						
15	Communication Networks Exercise	POL	1	Software for Embedded Systems	UE	3						
16	Selected Topics of Communication Networks	POL	2									
17												
18												
19	<b>Distributed Algorithms</b>			<b>Compilers for Embedded Systems</b>			<b>Advanced System-on-Chip Design (Lab)</b>					
20	Distributed Algorithms	VL	2	Compilers for Embedded Systems	VL	3	Advanced System-on-Chip Design	POL	3			
21	Distributed Algorithms	HÜ	2	Compilers for Embedded Systems	FL	1						
22												
23												
24												
25							<b>CMOS Nanoelectronics with Practice</b>					
26							CMOS Nanoelectronics	VL	2			
27							CMOS Nanoelectronics	UE	1			
28							CMOS Nanoelectronics	PR	2			
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.