

Course of Study Computational Science and Engineering (Study Cohort w18)

Sample course plan N Master Computational Science and Engineering (IIWMS)
Specialisation Information and Communication Technology

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	Digital Communications		Pattern Recognition and Data Compression		Research Project and Seminar		Master Thesis	
2	Digital Communications	VL 2	Pattern Recognition and Data	VL 4	Seminar	SE 2		
3	Digital Communications	HÜ 1	Compression		Project Work	PK 10		
4	Laboratory Digital Communications	PR 1						
5								
6								
7	Communication Networks		Information Theory and Coding					
8	Analysis and Structure of Communication	VL 2	Information Theory and Coding	VL 3				
9	Networks		Information Theory and Coding	HÜ 1				
10	Communication Networks Exercise	PBL 1						
11	Selected Topics of Communication	PBL 2						
12	Networks							
13	Distributed Algorithms		Simulation of Communication Networks					
14	Distributed Algorithms	VL 2	Simulation and Modelling of	PBL 5				
15	Distributed Algorithms	HÜ 2	Communication Networks					
16								
17								
18								
19			Network Security		Traffic Engineering			
20			Network Security	VL 3	Traffic Engineering	VL 2		
21			Network Security	UE 2	Traffic Engineering Exercises	UE 1		
22					Seminar Traffic Engineering	SE 2		
23								
24								
25			Wireless Sensor Networks		Advanced System-on-Chip Design (Lab)			
26			Wireless Sensor Networks	VL 2	Advanced System-on-Chip Design	PBL 3		
27			Wireless Sensor Networks	UE 1				
28			Wireless Sensor Networks: Project	PBL 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.

