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

Sample course plan E 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	**Efficient Algorithms**			**Application Security**			**Research Project and Seminar**			**Laboratory: Analog and Digital Circuit Design (part 2)**		
2	Efficient Algorithms	VL	2	Application Security	VL	3	Seminar	SE	2	Laboratory: Digital Circuit Design	PR	2
3	Efficient Algorithms	UE	2	Application Security	UE	2	Project Work	PK	10			
4										**Master Thesis**		
5												
6												
7	**Software Verification**			**Software for Embedded Systems**								
8	Software Verification	VL	2	Software for Embdedded Systems	VL	2						
9	Software Verification	UE	2	Software for Embdedded Systems	UE	3						
10												
11												
12												
13	**Software Security**			**Compilers for Embedded Systems**								
14	Software Security	VL	2	Compilers for Embedded Systems	VL	3						
15	Software Security	UE	2	Compilers for Embedded Systems	PBL	1						
16												
17												
18												
19				**Software Testing**			**Advanced System-on-Chip Design (Lab)**					
20				Software Testing	VL	2	Advanced System-on-Chip Design	PBL	3			
21				Software Testing	PBL	2						
22												
23												
24												
25				**Curves, Codes and Cryptosystems**			**Laboratory: Analog and Digital Circuit Design (part 1)**					
26				Curves, Codes and Cryptosystems	VL	4	Laboratory: Analog Circuit Design	PR	2			
27												
28												
29												
30												
31												
32												
33												
	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.