

Course of Study Computational Science and Engineering (Study Cohort w19)

Sample course plan D Master Computational Science and Engineering (IIWMS)
Specialisation I. Computer Science, Specialisation II. Engineering Science, Specialisation III. Mathematics,
Specialisation IV. Subject Specific Focus

Semester 1		Form	Hrs/wk	Semester 2		Form	Hrs/wk	Semester 3		Form	Hrs/wk	Semester 4		Form	Hrs/wk
1	Software Verification			Design of Dependable Systems				Research Project				Master Thesis			
2	Software Verification	VL	2	Designing Dependable Systems	VL	2		Research Project IIW	PK	8					
3	Software Verification	GÜ	2	Designing Dependable Systems	GÜ	2									
4															
5															
6															
7	Software Security			Numerical Mathematics II											
8	Software Security	VL	2	Numerical Mathematics II	VL	2									
9	Software Security	GÜ	2	Numerical Mathematics II	GÜ	2									
10															
11															
12															
13	Linear and Nonlinear Optimization							Digital Signal Processing and Digital Filters							
14	Linear and Nonlinear Optimization	VL	4					Digital Signal Processing and Digital Filters	VL	3					
15	Linear and Nonlinear Optimization	HÜ	1					Digital Signal Processing and Digital Filters	HÜ	2					
16															
17															
18															
19								Control Systems Theory and Design							
20								Control Systems Theory and Design	VL	2					
21								Control Systems Theory and Design	GÜ	2					
22															
23															
24															
25															
26															
27															
28															
29															
30															
Business & Management (from catalogue) - 6LP															
Non-technical Courses for Master (from catalogue) - 6LP															
Technical Complementary Course II for Computational Science and Engineering - 12LP															
Technical Complementary Course I for Computational Science and Engineering - 12LP															

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

