

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

Sample course plan M Master Computational Science and Engineering (IIWMS)
Specialisation Scientific Computing

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	VL 2 UE 2	High-Performance Computing	VL 2 PBL 2	Research Project and Seminar	SE 2 PK 10	Master Thesis			
2										
3										
4										
5										
6										
7	Hierarchical Algorithms	VL 2 UE 2	Approximation and Stability	VL 3 UE 1						
8										
9										
10										
11	Matrix Algorithms	VL 2 UE 2	Numerical Mathematics II	VL 2 UE 2						
14										
15										
16										
17	Matrix Theory	VL 2 UE 2	Numerical Treatment of Ordinary Differential Equations	VL 2 UE 2	Scientific Computing and Accuracy	VL 2 UE 2				
20										
21										
22										
23										
24										
25										
26										
27	Numerics of Partial Differential Equations	VL 2 UE 2								
28										
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.

