

# Course of Study Computational Science and Engineering (Study Cohort w21)

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

Legend:

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Year	Semester 1	Semester 2	Semester 3	Semester 4						
	Form	Hrs/wk	Form	Hrs/wk						
1	<b>Software Verification</b> Software Verification Software Verification	<b>Algorithmic Game Theory</b> Algorithmic game theory Algorithmic game theory	<b>Research Project</b> Research Project IIW Research Project IIW	<b>Master Thesis</b>						
2					VL	2	VL	2	PK	8
3					GÜ	2	HÜ	2		
4										
5										
6										
7	<b>Mathematical Image Processing</b> Mathematical Image Processing Mathematical Image Processing	<b>Advanced Internet Computing</b> Advanced Internet Computing Advanced Internet Computing	<b>Distributed Algorithms</b> Distributed Algorithms Distributed Algorithms							
8					VL	3	VL	2		
9					GÜ	1	PBL	2		
10										
11										
12										
13	<b>Information Theory and Coding</b> Information Theory and Coding Information Theory and Coding	<b>Control Systems Theory and Design</b> Control Systems Theory and Design Control Systems Theory and Design	<b>Advanced Machine Learning</b> Advanced Machine Learning Advanced Machine Learning							
14					VL	3	VL	2		
15					HÜ	2	HÜ	2		
16										
17										
18										
19	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									
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The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

