

# Course of Study Computer Science in Engineering (Study Cohort w22)

Sample course plan A Master Computer Science in 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

1	<b>Software Verification</b>			<b>Algorithmic Game Theory</b>		<b>Research Project</b>		<b>Master Thesis</b>
2	Software Verification	VL	2	Algorithmic game theory	VL 2	Research Project IIW	PK 8	
3	Software Verification	GÜ	2	Algorithmic game theory	HÜ 2			
4								
5								
6								
7	<b>Mathematical Image Processing</b>			<b>Advanced Internet Computing</b>				
8	Mathematical Image Processing	VL	3	Advanced Internet Computing	VL 2			
9	Mathematical Image Processing	GÜ	1	Advanced Internet Computing	PBL 2			
10								
11								
12								
13				<b>Information Theory and Coding</b>		<b>Advanced Machine Learning</b>		
14				Information Theory and Coding	VL 3	Advanced Machine Learning	VL 2	
15				Information Theory and Coding	HÜ 2	Advanced Machine Learning	GÜ 2	
16								
17								
18								
19				<b>Machine Learning in Electrical Engineering and Information Technology</b>				
20				General Introduction Machine Learning	VL 1			
21				Machine Learning in Wireless Communications	VL 1			
22				Machine Learning in Electromagnetic Compatibility Engineering	VL 1			
23				Machine Learning in High-Frequency Technology and Radar	VL 1			
24				Machine Learning Applications in Electric Power Systems	VL 1			
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.

