

# Course of Study Computer Science (Study Cohort w19)

Sample course plan B Master Computer Science (CSMS)  
Specialisation Intelligence Engineering

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	<b>Scientific Computing and Accuracy</b>		<b>Pattern Recognition and Data Compression</b>		<b>Research Project and Seminar</b>		<b>Master Thesis</b>	
2	Verification Methods	VL 2	Pattern Recognition and Data	VL 4	Seminar	SE 2		
3	Verification Methods	UE 2	Compression		Project Work	PK 10		
4								
5								
6								
7	<b>Digital Image Analysis</b>		<b>Information Theory and Coding</b>					
8	Digital Image Analysis	VL 4	Information Theory and Coding	VL 3				
9			Information Theory and Coding	HÜ 1				
10								
11								
12								
13	<b>Digital Communications</b>		<b>Numerical Mathematics II</b>					
14	Digital Communications	VL 2	Numerical Mathematics II	VL 2				
15	Digital Communications	HÜ 1	Numerical Mathematics II	UE 2				
16	Laboratory Digital Communications	PR 1						
17								
18								
19	<b>Digital Signal Processing and Digital Filters</b>				<b>3D Computer Vision</b>			
20	Digital Signal Processing and Digital	VL 3			3D Computer Vision	VL 2		
21	Filters				3D Computer Vision	UE 2		
22	Digital Signal Processing and Digital	HÜ 1						
23	Filters							
24								
25	<b>Mathematical Image Processing</b>				<b>Medical Imaging</b>			
26	Mathematical Image Processing	VL 3			Medical Imaging	VL 2		
27	Mathematical Image Processing	UE 1			Medical Imaging	UE 2		
28								
29								
30								
Business & Management (from catalogue) - 6LP								
Non-technical 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.

