

Course of Study Computer Science (Study Cohort w16)

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

Legend:

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

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	Efficient Algorithms			Pattern Recognition and Data Compression			Research Project and Seminar			Master Thesis		
2	Efficient Algorithms	VL	2	Pattern Recognition and Data Compression	VL	4	Seminar	SE	2			
3	Efficient Algorithms	UE	2				Project Work	PK	10			
4												
5												
6												
7	Algebraic Statistics for Computational Biology			Computer Graphics								
8	Algebraic Statistics for Computational Biology	VL	4	Computer Graphics	VL	2						
9				Computer Graphics	PS	2						
10												
11												
12												
13	Control Systems Theory and Design			Robotics and Navigation in Medicine								
14	Control Systems Theory and Design	VL	2	Robotics and Navigation in Medicine	VL	2						
15	Control Systems Theory and Design	UE	2	Robotics and Navigation in Medicine	UE	1						
16				Robotics and Navigation in Medicine	PS	2						
17												
18												
19	Mathematical Image Processing			Applied Humanoid Robotics			3D Computer Vision					
20	Mathematical Image Processing	VL	3	Humanoid Robotics	POL	6	3D Computer Vision	VL	2			
21	Mathematical Image Processing	UE	1				3D Computer Vision	UE	2			
22												
23												
24												
25							Intelligent Systems in Medicine					
26							Intelligent Systems in Medicine	VL	2			
27							Intelligent Systems in Medicine	UE	1			
28							Intelligent Systems in Medicine	PS	2			
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.