

Course of Study Computer Science (Study Cohort w15)

Sample course plan M 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	Algebraic Statistics for Computational Biology			Nonlinear Optimization			Research Project and Seminar			Master Thesis		
2	Algebraic Statistics for Computational Biology	VL	2	Nonlinear Optimization	VL	3	Seminar	SE	2			
3	Algebraic Statistics for Computational Biology	UE	2	Nonlinear Optimization	UE	1						
4												
5												
6												
7	Digital Image Analysis			Algebraic Methods in Information and Communication Technology								
8	Digital Image Analysis	VL	4	Algebraic Methods in Information and Communication Technology	VL	2						
9				Algebraic Methods in Information and Communication Technology	UE	2						
10				Algebraic Methods in Information and Communication Technology								
11												
12												
13	Intelligent Autonomous Agents and Cognitive Robotics			Operations Research								
14	Intelligent Autonomous Agents and Cognitive Robotics	VL	2	Operations Research	VL	2						
15	Intelligent Autonomous Agents and Cognitive Robotics	UE	2	Operations Research - Seminar	SE	2						
16												
17												
18												
19				Machine Learning and Data Mining			Intelligent Systems in Medicine					
20				Machine Learning and Data Mining	VL	2	Intelligent Systems in Medicine	VL	2			
21				Machine Learning and Data Mining	UE	2	Intelligent Systems in Medicine	UE	1			
22							Intelligent Systems in Medicine	PS	2			
23												
24												
25				Robotics and Navigation in Medicine			Applied Bioinformatics					
26				Robotics and Navigation in Medicine	VL	2	Applied Bioinformatics	VL	3			
27				Robotics and Navigation in Medicine	UE	1	Applied Bioinformatics	UE	3			
28				Robotics and Navigation 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.