Course of Study Computer Science (Study Cohort w14)

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

Legend:

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