Course of Study Computer Science (Study Cohort w14)

Sample course plan I 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	**Algorithmic Algebra**			**Computational Algebraic Geometry**			**Research Project and Seminar**			**Master Thesis**		
2	Algorithmic Algebra	VL	3	Computational Algebraic Geometry	VL	2	Research Project Work		2			
3	Algorithmic Algebra	UE	1	Computational Algebraic Geometry	UE	2	Seminar	SE	2			
4												
5												
6												
7	**Digital Image Analysis**			**Pattern Recognition and Data Compression**								
8	Digital Image Analysis	VL	4	Pattern Recognition and Data Compression	VL	4						
9												
10												
11												
12												
13	**Intelligent Autonomous Agents and Cognitive Robotics**			**Nonlinear Optimization**								
14	Intelligent Autonomous Agents and Cognitive Robotics	VL	2	Nonlinear Optimization	VL	3						
15	Intelligent Autonomous Agents and Cognitive Robotics	UE	2	Nonlinear Optimization	UE	1						
16												
17												
18												
19	**Control Systems Theory and Design**			**Machine Learning and Data Mining**			**3D Computer Vision**					
20	Control Systems Theory and Design	VL	2	Machine Learning and Data Mining	VL	2	3D Computer Vision	VL	2			
21	Control Systems Theory and Design	UE	2	Machine Learning and Data Mining	UE	2	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.