Course of Study Computer Science (Study Cohort w15)

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

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	**Algorithmic Algebra**			**Nonlinear Optimization**			**Research Project and Seminar**			**Master Thesis**		
2	Algorithmic Algebra	VL	3	Nonlinear Optimization	VL	3	Seminar	SE	2			
3	Algorithmic Algebra	UE	1	Nonlinear Optimization	UE	1						
4												
5												
6												
7	**Quantitative Methods - Statistics and Operations Research**			**Algebraic Methods in Information and Communication Technology**								
8	Quantitative Methods - Statistics and Operations Research	POL	3	Algebraic Methods in Information and Communication Technology	VL	2						
9	Quantitative Methods - Statistics and Operations Research	VL	2	Algebraic Methods in Information and Communication Technology	UE	2						
10												
11												
12												
13	**Control Systems Theory and Design**			**Pattern Recognition and Data Compression**								
14	Control Systems Theory and Design	VL	2	Pattern Recognition and Data Compression	VL	4						
15	Control Systems Theory and Design	UE	2									
16												
17												
18												
19	**Mathematical Image Processing**			**Machine Learning and Data Mining**			**3D Computer Vision**					
20	Mathematical Image Processing	VL	3	Machine Learning and Data Mining	VL	2	3D Computer Vision	VL	2			
21	Mathematical Image Processing	UE	1	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.