Course of Study Computer Science (Study Cohort w18)

Sample course plan R 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	**Robotics**			**Machine Learning and Data Mining**			**Research Project and Seminar**			**Master Thesis**		
2	Robotics: Modelling and Control	VL	3	Machine Learning and Data Mining	VL	2	Seminar	SE	2			
3												
4	Robotics: Modelling and Control	UE	2	Machine Learning and Data Mining	UE	2	Project Work	PK	10			
5												
6												
7	**Intelligent Systems in Medicine**			**Robotics and Navigation in Medicine**								
8	Intelligent Systems in Medicine	VL	2	Robotics and Navigation in Medicine	VL	2						
9												
10	Intelligent Systems in Medicine	UE	1	Robotics and Navigation in Medicine	UE	1						
11	Intelligent Systems in Medicine	PS	2	Robotics and Navigation in Medicine	PS	2						
12												
13	**Intelligent Autonomous Agents and Cognitive Robotics**			**Applied Humanoid Robotics**								
14												
15	Intelligent Autonomous Agents and Cognitive Robotics	VL	2	Applied Humanoid Robotics	PBL	6						
16												
17	Intelligent Autonomous Agents and Cognitive Robotics	UE	2									
18												
19	**Industrial Process Automation**						**Digital Audio Signal Processing**					
20												
21	Industrial Process Automation	VL	2				Digital Audio Signal Processing	VL	3			
22	Industrial Process Automation	UE	2				Digital Audio Signal Processing	HÜ	1			
23												
24												
25	**Mathematical Image Processing**						**Advanced Topics in Control**					
26												
27	Mathematical Image Processing	VL	3				Advanced Topics in Control	VL	2			
28	Mathematical Image Processing	UE	1				Advanced Topics in Control	UE	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.