

Curriculum for master's degree program in full-time Artificial Intelligence for Industrial Applications

Start of study: (please select) 		summer term								
No.	Modulegroups/Modules	1. Semester		2. Semester		3. Semester		Total		
		contact time (SWS)	ECTS	contact time (SWS)	ECTS	contact time (SWS)	ECTS	contact time (SWS)	ECTS	%
	AI basics vision & robotics (summer)	12	15	0	0	0	0	12	15	17%
1.1	Deep Learning (DPLE)	4	5					4	5	
1.2	Computer vision and AI (CVAE)	4	5					4	5	
1.3	Autonomous robots (AURE)	4	5					4	5	
								0	0	
	AI basics data & language (winter)	0	0	12	15	0	0	12	15	17%
2.1	Machine Learning (MALE)			4	5			4	5	
2.2	Modern Databases and NoSQL (MDNE)			4	5			4	5	
2.3	NLP and Information retrieval (NLPE)			4	5			4	5	
								0	0	
	AI Applications (winter/summer)	8	10	12	15	0	0	20	25	28%
3.1	AI project (AIPR)			4	5			4	5	
3.2	Interdisciplinary topic (INTP)			4	5			4	5	
	Optional module(s)	8	10	4	5			12	15	
								0	0	
	Scientific training (winter/summer)	4	5	0	0	2	30	6	35	39%
4.1	AI conference (AICO)	4	5					4	5	
4.2	Scientific writing (SCWR)					2	2	2	2	
4.3	Master thesis					0	28	0	28	
								0	0	
	Total:	24	30	24	30	2	30	50	90	100%