

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

Start of study: (please select) 		winter 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)	0	0	8	10	0	0	8	10	11%
1.1	Deep Learning (DPLE)			4	5			4	5	
1.2	Computer vision and AI (CVAE)			4	5			4	5	
								0	0	
	AI basics data & language (winter)	12	15	0	0	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)	12	15	8	10	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)	4	5	8	10			12	15	
								0	0	
	Scientific training (winter/summer)	0	0	8	10	0	30	8	40	44%
4.1	AI conference (AICO)			4	5			4	5	
4.2	Scientific Research and Methods (SRM)			4	5			4	5	
4.3	Master thesis					0	30	0	30	
								0	0	
	Total:	24	30	24	30	0	30	48	90	100%