

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



Start of study: (please select) →		winter term													
No.	Modulegroups/Modules	1. Semester		2. Semester		3. Semester		4. Semester		5. Semester		Total			
		contact time (SWS)	ECTS	contact time (SWS)	ECTS	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	4	5	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)	8	10	0	0	4	5	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)	4	5	4	5	4	5	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		
0	Optional modules "Basic"	4	5									4	5		
0	Optional modules "Advanced"					4	5	4	5			8	10		
	Scientific training (winter/summer)	0	0	0	0	4	5	2	2	0	28	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	0	0	28	0	28		
												0	0		
	Total:	12	15	12	15	12	15	14	17	0	28	50	90	100%	