

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



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