M_ITE24.1 — Studienverlaufs- und Prüfungsplan IT-Ingenieurwesen (M.Sc.)

Modul-Nr. Modul / Prfg.-Nr. Veranstaltung	ECTS 1	ECTS 2	ECTS 3	Fq.	SWS	Hfgk.	KoZ [h]	EiZ [h]	AA [h]	Anw.	Vorl.	Art.	Ben.	Vers.	Dauer [min]	OA.	Vert.	WB.	LF.	Mit. V.	Mit. M.	Sprache	Fachgebiet
MM018 Robotics																				uh			Technik
TM032 Robotics	5,0			S	4	12	30,0	120,0	150,0	J		AS	J	3		N			di	uh	EN	EN	
MM172 Industrial Internet of Things																				cbu			Integrationsfach
TM086 Industrial Internet of Things	3,0			S	2	12	15,0	75,0	90,0	N		K2	J	3	90	J			V	cbu	EN	EN	
TM087 Industrial Internet of Things Lab	2,0			S	2	12	15,0	45,0	60,0	J		PR	N	3		N			P	bos	EN	EN	
MM003 Algorithmics																	IT Systems & Security			iw			Informatik
TM027 Algorithmics	5,0			S	4	12	30,0	120,0	150,0	N		KM	J	3	120	J			VU	iw	EN	EN	
MM009 Workshop Kryptographie																	IT Systems & Security			gb			Informatik
TM030 Workshop Cryptography	5,0			S	4	12	30.0	120.0	0,0	J		AB	J	3					W	gb	EN	EN	
MM014 Modern Production Methods																	Smart Manufacturing			dmi			Technik
TM079 Fiber reinforced plastics and hybrids (FRP)	2,5			S	2	12	25,0	60,0	85,0	N		KM	J	3	120	J			V	ahb	EN	EN	
TM078 Laser Engineering	2,5			S	2	12	15,0	60,0	75,0	N		KM	J	3	90	J			V	dmi	EN	EN	
MM019 Security Engineering																	IT Systems & Security			gb			Informatik
TM040 Security Engineering	5,0			S	4	12	30,0	120,0	150,0	N		KM	J	3	60	J			VU	gb	EN	EN	
MM189 Seminar IT																	IT Systems & Security			iw			Integrationsfach
TM024 Seminar	5,0			S	2	3	3,75	146,25	150,00	J		SA	J	3		N			S	Doz	DE (EN)	DE	
MM190 Seminar Smart Manufacturing																	Smart Manufacturing			iw			Integrationsfach
TM024 Seminar	5,0			S	2	3	3,75	146,25	150,00	J		SA	J	3		N			S	Doz	DE (EN)	DE	
MM193 Systems Engineering																	Smart Manufacturing			dmi			Integrationsfach
TM114 Systems Engineering	3,0			S	2	12	15,0	75,0	90,0	N		K2	J	3	90	J			V	dmi	EN	EN	
TM115 Systems Engineering Lab	2,0			S	2	12	15,0	45,0	60,0	J		AB	N	3		N			U	dmi	EN	EN	
MM194 Sensors - Technology and Fabrication																	Smart Manufacturing			aha			Technik
TM116 Sensor Technology	2,5			W	2	12	15,0	60,0	75,0	N		K2	J	3	60	J			V	aha	EN	EN	
TM117 Semiconductor Device Fabrication	2,5			W	2	12	15,0	60,0	75,0	N		K2	J	3	60	J			V	hgl	EN	EN	
MM038 Embedded Systems Workshop																				bos			Integrationsfach
TM084 Embedded Systems Workshop		5,0		W	6	12	45,0	105,0	150,0	J		AB	J	3		N			W	bos	EN	EN	
MM059 Medical Engineering																				dsg			Integrationsfach
TM083 Medical Engineering		5,0		W	4	12	30,0	120,0	150,0	N		KM	J	3	90	J			V	dsg	EN	EN	
MM195 AI and Optimization for Industrial Applications																				cbu			Integrationsfach
TM118 Introduction to Industrial AI, Data-driven Industry 4.0 Concepts		3,0		W	4	6	15,0	90,0	105,0	N		K2	J	3	90	J			V	cbu	EN	EN	
TM119 Predictive Maintenance Lab		2,0		W	2	6	7,5	37,5	45,0	J		PR	N	3		J			P	cbu	EN	EN	
MM035 Distributed Systems																	IT Systems & Security			uh			Informatik
TM006 Distributed Systems		3,0		W	2	12	15,0	75,0	90,0	N		KM	J	3	90	J			V	uh	EN	EN	
TM007 Tutorial: Distributed Systems		2,0		W	2	12	15,0	45,0	60,0	J		AB	N	o.B.		N			U	uh	EN	EN	
MM036 Automatisierung in der Fertigung																	Smart Manufacturing			aha			Technik
TM047 Automatisierung in der Fertigung		2,0		W	2	12	15,0	45,0	60,0	N		KM	J	3	75	J			VU	aha	EN	EN	
TM048 Workshop CNC		1,0		W	1	12	7,5	22,5	30,0	J		AB	N	o.B.		N			W	jg	EN	EN	
TM049 Workshop SPS		1,0		W	1	12	7,5	22,5	30,0	J		AB	N	o.B.		N			W	ssc	EN	EN	
TM050 Workshop Steuerungstechnik		1,0		W	3	6	11,25	18,75	30,00	J		AB	N	o.B.		N			W	bos	EN	EN	
MM042 Digitale Kommunikationssysteme und Reconfigurable Computing																		A1		saw			Technik
TM034 Digitale Kommunikationssysteme		1,0		W	2	12	15,0	15,0	30,0	N		MP	J	3	30	J			V	saw	DE	DE	
TM035 Prakt. Reconfigurable Computing		3,0		W	2	12	15,0	75,0	90,0	J		MP	J	3	60	N			P	saw	DE	DE	
TM035 Reconfigurable Computing		1,0		W	2	12	15,0	15,0	30,0	N		MP	J	3	60	N			V	saw	DE	DE	
MM049 Security Management																		A2		gb			Integrationsfach
TM008 Security Management		5,0		W	4	12	30,0	120,0	150,0	N		KM	J	3	90	J			VU	gb	EN	EN	
MM191 Project IT																	IT Systems & Security			iw			Integrationsfach
TM112 Project IT		5,0		W+S	2	12	15,0	135,0	150,0	J		SA	J	3		N			PR	Doz	EN	EN	
MM192 Project Smart Manufacturing																	Smart Manufacturing			cbu			Integrationsfach
TM113 Project Smart Manufacturing		5,0		W+S	2	12	15,0	135,0	150,0	J		SA	J	3		N			PR	Doz	EN	EN	
MM050 Master-Thesis																				Doz			Integrationsfach
TM009 Master-Thesis			28,0	W+S	0	12	0,0	840,0	840,0	N		SA	J	2		N			TS	Doz	DE	DE	
MM058 Master-Kolloquium																				Doz			Integrationsfach
TM010 Master-Kolloquium			2,0	W+S	0	12	0,0	60,0	60,0	N	MM050	KO	J	2	60	N			K	Doz	DE	DE	