TH OWL TECHNISCHE HOCHSCHULE OSTWESTFALEN-LIPPE

Information Technology (Master): Part-time Curriculum
According to the Examination Regulations of 2025 (MPO-IT-25)

Module No..old	Modue No..new	Module	Code	1st sem.	2nd sem.	3rd sem.	4th sem.	5th+6th sem.	7th+8th sem.	CH	CR
		1st semester, compulsory modules									
5915	11952	Advanced Topics in Algorithms	ATA	4						4	5 CR
5923	11780	Industrial Software Engineering	ISE	4						4	5 CR
5913	11866	Probability and Statistics	PAS	4						4	5 CR
		2nd semester, compulsory module									
5912	11763	Innovation and Development Strategies	IDS		4					4	5 CR
		2nd semester, compulsory optional modules									
5918	11951	Communication for Distributed Systems [1]	CDS		4					4	5 CR
5919	11828	Information Fusion [1]	IFU		4					4	5 CR
5920	11678	Network Security [1]	NWS		4					4	5 CR
		N. N. [1] [2]								4	5 CR
		3rd semester, compulsory modules									
5916	11706	Usability Engineering	UEN			4				4	5 CR
5911	11656	Scientific Methods and Writing	SMW			4				4	5 CR
5906	11849	Management Skills and Business Administration	MBA			4				4	5 CR
		4th semester, compulsory optional modules									
5922	11563	Intelligent Technical Systems [1]	ITS				4			4	5 CR
5917	11658	Embedded Systems Design [1]	ESD				4			4	5 CR
5924	11663	Advanced Topics in Machine Learning [1]	AML				4			4	5 CR
5928	11814	Authentication [1]	AUT				4			4	5 CR
5636	15152	Autonomous Vehicles [1]	AUV				4			4	5 CR
		5th and 6th semester									
5925	11729	Research Project	RES					x			30 CR
		7th and 8th semester									
--	11759	Master's Thesis	MAT						x		30 CR
		Total CH		12	12	12	12			48	
		Total CR		15 CR	15 CR	15 CR	15 CR	30 CR	30 CR		120 CR

CR = Credits (1 CR corresponds to 30 hours)

CH = Contact hours per week (equivalent to the German abbreviation SWS for 'Semesterwochenstunden')

[1] In total, 5 out of 9 compulsory optional subjects have to be selected.

[2] Compulsory optional subject from the range of subjects offered by TH OWL or other universities, as approved by the examination board with a minimum of 4 CH, 5 CR.

Additional information:

The compulsory optional modules listed for the second semester may also be attended in the fourth semester – and vice versa.