

Information Technology (Master): MPO-IT-16

Part-time Curriculum

Start of Studies: Winter Term 17/18

Course - No.	Course	Abbr.	1st sem.	2nd sem.	3rd sem.	4th sem.	5th / 6th sem.	7th / 8th sem.	CH	CR
1st semester, compulsory courses										
5915	Advanced Topics in Algorithms	ATA	4						4	5 CR
5914	Discrete Signals and Systems	DSS	4						4	5 CR
5913	Probability and Statistics	PAS	4						4	5 CR
5931	Lab Project 1 ¹⁾	LAB1	x							3 CR
2nd semester, compulsory courses										
5912	Innovation and Development Strategies	IDS		5					5	6 CR
2nd semester, compulsory elective courses (2 out of 3) plus Lab Project 2										
5918	Communication for Distributed Systems ²⁾	CDS		4					4	5 CR
5919	Information Fusion ²⁾	IFU		4					4	5 CR
5920	Network Security ²⁾	NWS		4					4	5 CR
5932	Lab Project 2 ³⁾	LAB2		x						2 CR
3rd semester, compulsory courses										
5917	Embedded Systems Design	ESD			4				4	5 CR
5916	Usability Engineering	UEN			4				4	5 CR
5931	Lab Project 1 ¹⁾	LAB1			x					2CR
4th semester, compulsory elective courses (2 out of 3) plus Lab Project 2										
5923	Industrial Software Engineering ²⁾	ISE				4			4	5 CR
5922	Intelligent Technical Systems ²⁾	ITS				4			4	5 CR
5921	Software Engineering for Web Services ²⁾	SWE				4			4	5 CR
5932	Lab Project 2 ³⁾	LAB2				x				2 CR
5th / 6th semester, compulsory courses										
5909	Project Work	PIT					x			18 CR
5906	Management Skills and Business Administration	MBA					5		5	6 CR
5911	Scientific Methods and Writing	SMW					2		2	3 CR
5910	Seminar on Industrial Information Technologies	SEM					x			3 CR
7th / 8th semester										
-	Master's Thesis	MAT						x		30 CR
	Total CH		12	13	8	8	7		48	
	Total CR		18 CR	18 CR	12 CR	12 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) LAB1 complements the compulsory courses ATA, DSS, ESD, PAS and UEN.

2) In total, 4 out of the 6 compulsory elective courses CDS, IFU, NWS, ISE, ITS and SWE have to be selected.

3) LAB2 complements the compulsory elective courses CDS, IFU, NWS, ISE, ITS and SWE.