Annex 1: Study plan for full-time studies

Module	Submodule	Ŀ.	LS	Semester				
	Oubmodule	Sem	ECTS	1	2	3	4	
Industrial Communication and Information Security in Industrial Automation	Industrial Communication	1		3				
	Industrial IoT	1	12	5				
	IT-Security	2			4			
					ECTS			
Integration of Technical and	Object oriented Programming for Data Science	1		3				
Business Information Systems	Relational Databases	1	9	3				
- Cyolomo	Enterprise Resource Planning Systems	1			3			
Modelling and Simulation of Technical Systems	Modelling and Simulation of Continuous Systems	2	15		4			
	Modelling and Simulation of Discrete Event	2			2			
	Data-driven Modelling and Model Optimization	2			5			
	Modelling and Simulation of Electrical Energy Systems	1		4				
Control of Technical Systems	Digital Signal Processing and Optoelectronics	2	14		4			
	Linear, Nonlinear and Model Predictive Control	1		5				
	Automation of Discrete Event Systems	1			2			
	Protection Automation and Control in Electrical Energy Supply	2			3			
Optimization of Technical Systems	Numerical Methods	1	40	3				
	Optimization  Machine Learning and Al	2	10	4	3			
	Case Study I	3				10		
Case Studies	Case Study II	3	30			10		
	Case Study III	3	<u> </u>			10		
Master's Thesis	Thesis	4	30				20	
	Final oral examination	4					10	
Total ECTS			120	30	30	30	30	

Annex 2: Example study plan for part-time studies

Module	Submodule	Sem.	ECTS	ECTS/ Semester					
				1	2	3	4	5	6
Industrial Communication and Information Security in Industrial Automation	Industrial Communication	1	12	3					
	Industrial IoT	1				5			
	IT-Security	2					4		
				ECTS					
Integration of Technical and	Object oriented Programming for Data Science	1	9	3					
Business Information Systems	Relational Databases	1	9			3			
оуы <b>с</b> ні в	Enterprise Resource Planning Systems	1					3		
Modelling and Simulation of Technical Systems	Modelling and Simulation of Continuous Systems	2	15		4				
	Modelling and Simulation of Discrete Event Systems	2			2				
	Data-driven Modelling and Model Optimization	2			5				
	Modelling and Simulation of Electrical Energy Systems	1		4					
Control of Technical Systems	Digital Signal Processing and Optoelectronics	2	14				4		
	Linear, Nonlinear and Model Predictive Control	1		5					
	Automation of Discrete Event Systems	1					2		
	Protection Automation and Control in Electrical Energy Supply	2			3				
Optimization of Technical Systems	Numerical Methods	1		3		<u> </u>			igsqcup
	Optimization	2	10			4	2		
	Machine Learning and Al						3		
Case Studies	Case Study I	3				10			
	Case Study II	3	30			10		10	
	Case Study III	3						10	
	, ,								
Master's Thesis	Thesis	4	30						20
	Final oral examination	4							10
Total ECTS			120	18	14	22	16	20	30