

Curriculum Bachelor

S1	S2	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16
Nr.	Module	SWH				ECTS	Workload per semester						Exam	GOP
							1.	2.	3.	4.	5.	6.		
		L	S	P	S		WS	SS	WS	SS	WS	SS		
1. Compulsory subjects														
B 1	Mathematics I	4	2			7,5	7,5						PL (K, 90 min)	GOP
B 2	Mathematics II	4	2			7,5		7,5					PL (K, 90 min)	GOP
B 3	Mathematics III	4	2			7,5			7,5				PL (K, 90 min)	
B 4	Electrical Engineering I	4	2			7,5	7,5						PL (K, 90 min)	GOP
B 5	Electrical Engineering II	4	2			7,5		7,5					PL (K, 90 min)	GOP
B 6	Introduction to MATLAB			3		2,5	2,5				-		SL (PrL)	
B 7	Introduction to Microwave Engineering	2	2			5			5				PL (K, 90 min)	
B 8	Mechatronic Components and Systems	2	2			5				5			PL (K, 90 min)	
B 9	Electrical Engineering Laboratory			2		2,5				2,5			SL (PrL)	
B 10	Electric Drives	2	2			5			5				PL (K, 90 min)	
B 11	Sensors	2	2			5					5		PL (K, 90 min)	
B 12	Signal Theory	3	1			5			5				PL (K, 90 min)	
B 13	Stochastic Processes	3	1			5				5			PL (K, 90 min)	
B 14	Digital Signal Processing	3	1			5					5		PL, siehe FPO CME	
B 15	Introduction to Communication Systems	3	1			5				5			PL (K, 90 min)	
B 16	Dynamical Systems and Control	2	2			5				5			PL (K, 90 min)	
B 17	Machine Learning for Control Systems	2	2			5					5		PL (K, 90 min)	
B 18	Modeling of Control Systems	2	2			5					5		PL (K, 90 min)	
B 19	Algorithms, Programming, and Data Representation	4	2	2		10	10						PL (K, 120 min) + SL = ÜbL	GOP
B 20	System-level Programming	2	2			5		5					PL (K, 90 min)	GOP
B 21	Embedded Systems	2	2			5			5				PL, siehe FPO INF	
B 22	Numerics for Engineers I	2		2		5					5		PL (K, 60 min)	
B 23	Simulation of Autonomous Systems	2	2			5				5			PL (K, 90 min)	
B 24	Machine Learning for Engineers I	4				5		5					PL (K, 90 min)	
B 25	Automation Laboratory			2		2,5						2,5	SL (PrL)	

