## Course of Study Electrical Engineering (Study Concentration Elective Compulsory Specialisation Elective Compulsory Specia

	<u>_</u>				Core Qualification	ii Elective Co	Specialisation Elective Compulsory	rocus Elective	Compulsory Interdisciplinary compl	леттепс
Sample	course plan X Bachelor Electrica	l Engineering (ETBS)								
1	Procedural Programming Procedural Programming VL 1	Electrical Engineering II: Alternating Current Netwo	ks Electrical Engineering III: Circuit Theory a Transients	and	Theoretical Electrical Engineering I: Time- Independent Fields		Theoretical Electrical Engineering II: Time	e-Dependent	Semiconductor Circuit Design Semiconductor Circuit Design	VL 3
3	Procedural Programming HÜ 1	Electrical Engineering II: Alternating Current VL		VL 3	Theoretical Electrical Engineering I: Time-	VL 3	Theoretical Electrical Engineering II: Time-	VL 3	Semiconductor Circuit Design	GŪ 1
-	Procedural Programming PR 2	Networks and Basic Devices  Electrical Engineering II: Alternating Current GÜ	Circuit Theory	GÜ 2	Independent Fields Theoretical Electrical Engineering I: Time-	GÜ 2	Dependent Fields  Theoretical Electrical Engineering II: Time-	GÜ 2		
4		Networks and Basic Devices			Independent Fields		Dependent Fields			
5										
6										
7	Physics for Engineers (part 1)	Objectoriented Programming, Algorithms and Data	Computer Engineering		Signals and Systems		Introduction to Communications and Ran	dom	Introduction into Medical Technology and	d Systems
8	Physics for Engineers VL 2		Computer Engineering	VL 3	Signals and Systems	VL 3	Processes		Introduction into Medical Technology and	VL 2
9	Physics for Engineers GÜ 1	Objectoriented Programming, Algorithms and VL  Data Structures	Computer Engineering	GÜ 1	Signals and Systems	GÜ 2	Introduction to Communications and Random Processes	VL 3	Systems	
-		Objectoriented Programming, Algorithms and GÜ					Introduction to Communications and Random	HÜ 1	Introduction into Medical Technology and Systems	PS 2
10		Data Structures					Processes		Introduction into Medical Technology and	HÜ 1
11	Electrical Engineering I: Direct Current Networks and	i					Introduction to Communications and Random	GÜ 1	Systems	
12	Electromagnetic Fields  Electrical Engineering I: Direct Current Networks VL 3						Processes			
13	and Electromagnetic Fields	Materials in Electrical Engineering	Measurements: Methods and Data Proce	ssing	Electrical Engineering Project Laboratory		Electronic Devices		Embedded Systems	
14	Electrical Engineering I: Direct Current Networks GÜ 2	Materials in Electrical Engineering VL	Measurements: Methods and Data Processing	VL 2	Electrical Engineering Project Laboratory	PBL 8	Electronic Devices	VL 3	Embedded Systems	VL 3
15	and Electromagnetic Fields	Materials in Electrical Engineering GÜ					Electronic Devices	PBL 2	Embedded Systems	GŪ 1
		Electrotechnical Experiments VL	EE Experimental Lab	PR 2					Embedded Systems	PBL 1
16		_								
17	Foundations of Management									
18	Introduction to Management         VL         3           Management Tutorial         GÜ         2									
19	Management Tutoriai GU 2	Mathematics II	Mathematics III		Mathematics IV		Introduction to Control Systems		Bachelor Thesis	
20		Linear Algebra II VL	Analysis III	VL 2	Complex Functions	VL 2	Introduction to Control Systems	VL 2		
21		Linear Algebra II GÜ		GÜ 1	Complex Functions	GÜ 1	Introduction to Control Systems	GÜ 2		
		Linear Algebra II HÜ  Analysis II VL	. Analysis III . Differential Equations 1	HÜ 1 VL 2	Complex Functions Differential Equations 2	HÜ 1 VL 2				
22		Analysis II VL	Differential Equations 1	GÜ 1	Differential Equations 2	GÜ 1				
23	Mathematics I	Analysis II GÜ	Differential Equations 1	HÜ 1	Differential Equations 2	HŪ 1				
24	Linear Algebra I         VL 2           Linear Algebra I         GÜ 1									
25	Linear Algebra I GO 1				Introduction to Waveguides, Antennas, and		Electrical Power Systems I: Introduction t	o Electrical		
26	Analysis I VL 2				Electromagnetic Compatibility		Power Systems			
27	Analysis I GÜ 1	Physics for Engineers (part 2)			Introduction to Waveguides, Antennas, and Electromagnetic Compatibility	VL 3	Electrical Power Systems I: Introduction to Electrical Power Systems	VL 3		
	Analysis I HŪ 1	Physics-Lab for ET PR			Introduction to Wavequides, Antennas, and	GÜ 2	Electrical Power Systems I: Introduction to	GÜ 2		
28					Electromagnetic Compatibility		Electrical Power Systems			
29										
30										
	Non-technical Courses for Bachelors (from									

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.