

Full time training
Curriculum "F"

with weekly hours: lectures (lc), practices (pr), laboratory (lb); with requirements (re); with credits (cr)

Nr	Subject code	Subject name	C.	Week-ly hours	Credit	Semesters																												Prerequisites																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Basics of Natural Science total:				36	44	4	11	1		19	3	4			9	4	6			12	1	2			4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</

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38.	KVXVE1EBNF	Electrical energetics	3	4													1	0	2	e	4														6.	KTXMA2EBNF	22.	KVXVT2EBNF			
39.	KEXET1EBNF	Electronics technology	3	4																			1	0	2	a	4									4.	KEEVR1EBNF				
40.	KAXVH1EBNF	Electrical drive chains	3	4																			1	0	2	a	4									34.	KAXIT1EBNF				
41.	KVXEM1EBNF	EMC	3	4																								1	2	0	e	4									
42.	KHXWT1EBNF	Internet applications and WEB technologies	3	4																								1	2	0	a	4						30.	KMXPR2EBNF		

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Nr	Subject code	Subject name	C.	Week-ly hours	Credit	Semesters																										Prerequisites																	
						1.						2.						3.						4.						5.						6.						7.							
						lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	Nr	Subject code	C.	Nr	Subject code	C.			
Optional Specialisation of Subjects total:				34	44																					4	0	8	0	18	4	0	8	0	16	4	0	6	0	10	32.	KEXKV2EBNF							
Automation specialisation				(5)	34	44																				4	0	8	0	18	4	0	8	0	16	4	0	6	0	10									
43.	KAXEP1EBNF	Building and public utility automation		5	7																					2	0	3	0	7												36.	KAXPV1EBNF						
44.	KAXPI1EBNF	Programmable control systems		5	7																					2	0	3	0	7												24.	KAXDT2EBNF						
45.	KAXHT1EBNF	Drive and power electronic systems		5	7																										2	0	3	0	7							40.	KAXVH1EBNF						
46.	KAPPM1EBNF	Project I.		2	4																					0	0	2	0	4																			
47.	KAPPM2EBNF	Project II.		2	4																										0	0	2	0	4							46.	KAPPM1EBNF						
48.		Optional optional professional subject 1	(4)	5	5																										2	0	3	0	5														
49.		Optional optional professional subject 2	(4)	5	5																														2	0	3	0	5										
50.		Optional optional professional subject 3	(4)	5	5																													2	0	3	0	5											
Communication technologies specialisation				(5)	34	44																				4	0	8	0	18	4	0	8	0	16	4	0	6	0	10									
51.	KHXHE1EBNF	Communication theory		5	7																					2	0	3	0	7												37.	KHXTT1EBNF	#					
52.	KHXIH1EBNF	Infocommunication networks		5	7																					2	0	3	0	7													37.	KHXTT1EBNF					
53.	KHXDJ1EBNF	Digital signal processing		5	7																										2	0	3	0	7							37.	KHXTT1EBNF						
54.	KHPPM1EBNF	Project I.		2	4																					0	0	2	0	4																			
55.	KHPPM2EBNF	Project II.		2	4																										0	0	2	0	4							54.	KHPPM1EBNF						
56.		Optional optional professional subject 1	(4)	5	5																										2	0	3	0	5														
57.		Optional optional professional subject 2	(4)	5	5																														2	0	3	0	5										
58.		Optional optional professional subject 3	(4)	5	5																														2	0	3	0	5										
Embedded systems specialisation				(5)	34	44																				4	0	8	0	18	4	0	8	0	16	4	0	6	0	10									
59.	KMXJK1EBNF	Signal and image processing		5	7																					2	0	3	0	7												28.	KMXMT2EBNF						
60.	KMXSA1EBNF	Computer architectures		5	7																					2	0	3	0	7													33.	KIXBR1EBNF					
61.	KEXEB1EBNF	Sensors, actuators and communication		5	7																										2	0	3	0	7							60.	KMXSA1EBNF						
62.	KMPPM1EBNF	Project I.		2	4																					0	0	2	0	4																			
63.	KMPPM2EBNF	Project II.		2	4																										0	0	2	0	4							62.	KMPPM1EBNF						
64.		Optional optional professional subject 1	(4)	5	5																										2	0	3	0	5														
65.		Optional optional professional subject 2	(4)	5	5																														2	0	3	0	5										
66.		Optional optional professional subject 3	(4)	5	5																														2	0	3	0	5										
Energy specialisation				(5)	34	44																				4	0	8	0	18	4	0	8	0	16	4	0	6	0	10									
67.	KVXEG1EBNF	Energy management		5	7																					2	0	3	0	7												38.	KVXVE1EBNF						
68.	KVXVU1EBNF	Electricity systems plant		5	7																					2	0	3	0	7													38.	KVXVE1EBNF					
69.	KVXVF1EBNF	Electricity consuming equipment		5	7																										2	0	3	0	7							38.	KVXVE1EBNF						
70.	KVPPM1EBNF	Project I.		2	4																					0	0	2	0	4																			
71.	KVPPM2EBNF	Project II.		2	4																										0	0	2	0	4							70.	KVPPM1EBNF						
72.		Optional optional professional subject 1	(4)	5	5																										2	0	3	0	5														
73.		Optional optional professional subject 2	(4)	5	5																														2	0	3	0	5										
74.		Optional optional professional subject 3	(4)	5	5																														2	0	3	0	5										

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Nr	Subject code	Subject name	C.	Week-ly hours	Credit	Semesters																											Prerequisites																																															
						1.					2.					3.					4.					5.					6.							7.																																										
						lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	Nr	Subject code	C.	Nr	Subject code	C.																																							
Free Optional Subjects total:				6	10																2				3	2				3	2				4																																													
75.		Free optional subject 1	(4)	2	3																2	0	0	a	3																																																							
76.		Free optional subject 2	(4)	2	3																					2	0	0	a	3																																																		
77.		Free optional subject 3	(4)	2	4																									2	0	0	a	4																																														
Subject of Thesis total:				3	15																											3	15																																															
78.	KADSD1EBNF	Thesis		3	15																																47. KAPPM2EBNF																																											
	KHDS1EBNF																																							55. KHPPM2EBNF																																								
	KMDS1EBNF																																								63. KMPPM2EBNF																																							
	KVDS1EBNF																																									71. KVPPM2EBNF																																						
Total:				151	210	7	15	2		28	10	9	4		32	8	10	6		31	7	4	10		28	10	0	12		32	10	4	8		30	6	0	9		29	The training total hours: 2 114 h Lectures from this: 812 h 38,41% practices, laboratory: 1 302 h 61,59%																																							
Weekly hours total:						24										23										24										21															22										22										15									
Number of Examinations (e):									3					5					5				4					2				3				2																																												
Number of Assignments (a):									4					3					4				4					5				4				1																																												
Number of Signatures (s):									1					1					1				1					0				0				1																																												

Nr	Subject code	Subject name	C.	Week-ly hours	Credit	Semesters																												Prerequisites											
						1.					2.					3.					4.					5.					6.					7.									
						lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	Nr	Subject code	C.	Nr	Subject code					
Criterion Requirement Subjects			(6)																																										
79.	KPIPT1EBNF	Patronage		1	0	0	1	0	s	0																																			

- Comment(s):
- # Courses signed by character # can be started paralelly, if necessary.
 - (1) Sign of course makes necessary to fulfill prerequisites.
 - (2) The semester of the placement of the given subject is determined by the institution depending on the number of students.
 - (3) The subject is taught in an e-learning or blended learning system, and the detailed half-year requirement of the subject is the guide.
 - (4) List of obligatory optional professional subjects and free optional subjects are included on the next table.
 - (5) All subjects of the chosen subject group are required fulfilled.
 - (6) The criterion requirement is a mandatory requirement in the curriculum that does not have a credit point. (TVSZ. 35. § (4))

The condition for admission to the final exam - in addition to obtaining the above credit value - is the completion of an obligatory external internship during the training, the minimum total time of which is: 6 weeks

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[illegible]

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[illegible]

Comment(s): (9) In addition to the items listed here, additional optional subjects can be found in the Neptun system.

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Nr	Subject code	Subject name	C.	Week-ly hours	Credit	Semesters																								
						5.					6.					7.					8.					9.				
						lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr
Cooperative Education total:				18	100					5	3				15	3				20	6				30	6				30
	KAOSG1EBNF KHOSG1EBNF KMOSG1EBNF KVOSG1EBNF	Practice in profession I.	(11)	0	5					a	5																			
	KAOSG2EBNF KHOSG2EBNF KMOSG2EBNF KVOSG2EBNF	Practice in profession II.	(11)	0	10									a	10															
	KAOSG3EBNF KHOSG3EBNF KMOSG3EBNF KVOSG3EBNF	Practice in profession III.	(11)	0	15														a	15										
	KAOSG4EBNF KHOSG4EBNF KMOSG4EBNF KVOSG4EBNF	Practice in profession IV.	(11)	0	20																		a	20						
	KAOSG5EBNF KHOSG5EBNF KMOSG5EBNF KVOSG5EBNF	Practice in profession V.	(11)	0	20																							a	20	
		Optional professional subject I.		3	5							3	0	0	e	5														
		Optional professional subject II.		3	5												3	0	0	e	5									
		Optional professional subject III.		3	5																3	0	0	e	5					
		Optional professional subject IV.		3	5																3	0	0	e	5					
		Optional professional subject V.		3	5																					3	0	0	e	5
		Optional professional subject VI.		3	5																					3	0	0	e	5

Comment(s): (11) Weekly hours of practice in profession is given by the cooperative contract.

Final Exam subjects:

Combined from the compulsory subjects of the chosen specialisation.

- Conditions of Cooperative Education at Electrical Engineering BSc English language training:
1. Students have to fulfill minimum 120 credits before starting Cooperative Education.
2. Courses of Cooperative Education are fixed by Council of the Faculty year by year.
3. Based on the decision of the Faculty, students can participate in 1-5 semesters of Cooperative Education during their studies.