

Nr	Subject name	Mj	Weekl y hours	Credit	Semesters																				Prerequisites					
					1.					2.					3.					4.					Nr	Subject code	Mj	Nr	Subject code	Mj
					lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr						
	Power Engineering specialisation	(5)	36	30											11		2		15	11		7		15						
33.	KVXEA1EMNF Tools of electrical transmission and distribution		5	4											3	0	2	e	4						3.	KAXEV1HMNF				
34.	KTXNT1EMNF Basics of nuclear technologies		5	4											3	0	0	e	4						2.	KTXEF1HMNF				
35.	KVXVE1EMNF Electrical network computing		5	4											3	0	0	e	4						3.	KAXEV1HMNF				
36.	KIXET1EMNF Hydrogen technologies		5	4																3	0	2	e	4	12.	KVXEN1HMNF				
37.	KVXVT1EMNF Electrical network planning		5	4																3	0	2	e	4						
38.	KVXME1EMNF Renewable energy		5	4																3	0	2	e	4	12.	KVXEN1HMNF				
39.	Obligatory optional professional subject 1	(4)	3	3											2	0	0	e	3											
40.	Obligatory optional professional subject 2	(4)	3	3																2	0	1	e	3						
	Infocommunication technologic specialisation	(5)	36	30											11		7		15	11		7		15						
41.	KEXMT1EMNF Media technology		5	4											3	0	2	e	4						13.	KHXIT1HMNF				
42.	KEXME1EMNF Mobile communication networks		5	4											3	0	2	e	4						13.	KHXIT1HMNF				
43.	KEXO1EMNF Optical networks		5	4											3	0	2	e	4						13.	KHXIT1HMNF				
44.	KEXIP1EMNF Infocommunication protocols		5	4																3	0	2	e	4	13.	KHXIT1HMNF				
45.	KEXUT1EMNF Space communication		5	4																3	0	2	e	4						
46.	KEXII1EMNF Infocommunication networks as basic infrastructure		5	4																3	0	2	e	4						
47.	Obligatory optional professional subject 1	(4)	3	3											2	0	1	e	3											
48.	Obligatory optional professional subject 2	(4)	3	3																2	0	1	e	3						
	Integrated Automation and Power Engineering specialisation	(5)	36	30											11		7		15	11		7		15						
49.	KAXAR1EMNF System components of automatics		5	4											3	0	2	e	4						14.	KAXIE1HMNF				
50.	KAXVE1EMNF Electric and hybrid drivetrain systems		5	4											3	0	2	e	4						3.	KAXEV1HMNF				
51.	KVXVE1EMNF Electrical network computing		5	4											3	0	2	e	4						3.	KAXEV1HMNF				
52.	KVXEA1EMNF Tools of electrical transmission and distribution		5	4																3	0	2	e	4	3.	KAXEV1HMNF				
53.	KAXRB1EMNF Robotization		5	4																3	0	2	e	4	14.	KAXIE1HMNF				
54.	KVXME1EMNF Renewable energy		5	4																3	0	2	e	4	12.	KVXEN1HMNF				
55.	Obligatory optional professional subject 1	(4)	3	3											2	0	1	e	3											
56.	Obligatory optional professional subject 2	(4)	3	3																2	0	1	e	3						
	Integrated Embedded Systems and Infocommunication Technologies specialisation	(5)	36	30											11		7		15	11		7		15						
57.	KIXBO1EMNF Embedded- and operating systems		5	4											3	0	2	e	4						11.	KIXBA1HMNF				
58.	KEXMT1EMNF Media technology		5	4											3	0	2	e	4						13.	KHXIT1HMNF				
59.	KEXME1EMNF Mobile communication networks		5	4											3	0	2	e	4						13.	KHXIT1HMNF				
60.	KEXIP1EMNF Infocommunication protocols		5	4																3	0	2	e	4	13.	KHXIT1HMNF				
61.	KMXSF1EMNF Software development and testing		5	4																3	0	2	e	4						
62.	KMXAJ1EMNF Autonomous vehicles		5	4																3	0	2	e	4	8.	KVXEP1HMNF				
63.	Obligatory optional professional subject 1	(4)	3	3											2	0	1	e	3											
64.	Obligatory optional professional subject 2	(4)	3	3																2	0	1	e	3						
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					1.					2.					3.					4.					Nr	Subject code	Mj	Nr	Subject code	Mj
					lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr	lc	pr	lb	re	cr						
	Free optional subjects total:		4	6	2				3	2					3															
65.	Free optional subject 1	(4)	2	3	2	0	0	a	3																					
66.	Free optional subject 2	(4)	2	3						2	0	0	a	3																

