

Communication engineering "D"

hours/week (lc/lectures, pr/practices, lb/laboratory); requirements: re (e/examination, a/assignment); credits (cr)

Neptun Code	Courses	hours/week	credit	Semesters																												Prerequisites							
				1.				2.				3.				4.				5.				6.				7.				Neptun-Code	Neptun-Code						
Basics of natural science Total:				30	40	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				
1. KMEMA11AND	Mathematics I.	5	6	2	3	0	e	6																															
2. KMEMA21AND	Mathematics II.	5	6							2	3	0	e	6																						1. KMEMA11AND (1)			
3. KMEMA31AND	Mathematics III.	3	3																																		2. KMEMA21AND		
4. KMAIA11AND	Informatics I.	2	3	2	0	0	e	3																															
5. KMAIA12AND	Informatics laboratory	2	2							0	0	2	a	2																							4. KMAIA11AND	23. KMAPR11AND#	
6. KHTIA21AND	Informatics II.	2	3																																		24. KMAPR21AND		
7. KMEF11AND	Physics I.	3	4												2	1	0	e	4																	2. KMEMA21AND (1)			
8. KMEF21AND	Physics II.	3	4																																	7. KMEF11AND			
9. KMEVR11AND	Materials science	2	3	2	0	0	e	3																															
10. KMEVR12AND	Materials science laboratory	1	2							0	0	1	a	2																						9. KMEVR11AND			
11. KMEM11AND	Basics of safety technology, environment protection and quality assurance	2	4																																				
Economical and human knowledge Total:				14	16	2	0	0	2	1	1	0	2	0	0	0	0	2	0	0	2	1	1	0	2	6	0	0	8	0	0	0	0	0	0	0	0		
12. GGTG11AND	Macroeconomics	2	2	2	0	0	a	2																															
13. GGTG21AND	Microeconomics	2	2							1	1	0	a	2																							12. GGTG11AND		
14. GSVVG11AND	Enterprise economics I.	2	2																																				
15. GSVVG21AND	Enterprise economics II.	2	2																																				
16. GVMME11AND	Management	2	3																																				
17. GGTJ11AND	Law	2	2																																				
18.	Obligatory optional subject (3)	2	3																																				
Basics of Profession Total:				64	70	5	3	0	0	12	11	5	4	0	19	12	0	11	0	26	2	0	8	0	10	2	1	0	0	3	0	0	0	0	0	0	0	0	
19. KHTVL11AND	Electricity I.	3	4	3	0	0	e	4																															
20. KHTVL12AND	Electricity I. practice	3	4	0	3	0	a	4																															
21. KHTVL21AND	Electricity II.	3	3							3	0	0	e	3																									
22. KHTVL22AND	Electricity II. practice	4	3							0	3	1	a	3																									
23. KMAPR11AND	Programming I.	2	2							2	0	0	a	2																									
24. KMAPR21AND	Programming II.	2	2							2	0	0	a	2																									
25. KMAPR22AND	Programming II. laboratory	3	3							0	0	3	a	3																									
26. KMEMD11AND	Technical documentation (2)	2	2												0	0	2	a	2																				
27. KMAAMT11AND	Measurements I.	2	2							2	0	0	e	2																									
28. KMAAMT12AND	Measurements I. laboratory	2	2							0	0	2	a	2																									
29. KMAAMT21AND	Measurements II.	2	2							2	0	0	a	2																									
30. KMAAMT22AND	Measurements II. laboratory	2	2							0	0	2	a	2																									
31. KMEDG11AND	Digital technics I.	2	4	2	0	0	e	4																															
32. KMEDG21AND	Digital technics II.	3	3							2	1	0	e	3																									
33. KMEDG31AND	Digital technics II. laboratory	2	2							0	0	2	a	2																									
34. KMEEL11AND	Electronics I.	2	2							2	0	0	e	2																									
35. KMEEL12AND	Electronics I. practice	2	2							0	1	1	a	2																									
36. KMEEL21AND	Electronics II.	2	2							2	0	0	e	2																									
37. KMEEL22AND	Electronics II. laboratory	2	2							0	0	2	a	2																									
38. KMAAT11AND	Automation I.	2	3							2	0	0	e	3																									
39. KMAAT12AND	Automation I. laboratory	2	2							0	0	2	a	2																									
40. KHTH11AND	Communication technics I. (2)	2	3							2	0	0	e	3																									
41. KHTH12AND	Communication technics I. laboratory (2)	2	2												0	0	2	a	2																				
42. KVEEE11AND	Electrical energetics I. (2)	2	3							2	0	0	e	3																									
43. KVEEE12AND	Electrical energetics I. laboratory (2)	2	2												0	0	2	a	2																				
44. KMEET11AND	Electronic technology (2)	2	2							2	0	0	e	2																									
45. KMEET12AND	Electronic technology laboratory (2)	2	2							0	0	2	a	2																									
46. KMEM11AND	General engineering studies	3	3																																				

Comments: (1) Sign of course makes necessary to fulfill prerequisites
 (2) Semester of the course is determined by the institute responsible for the speciality, according to the amount of students.
 Courses signed by character # can be started parallelly, if necessary.
 * List of obligatory optional courses is included on last page of the table

Specialized topics - Courses of speciality

hours/week (lc/lectures, pr/practices, lb/laboratory); requirements: re (e/examination, a/assignment); credits (cr)

Neptun Code	Courses	hours/week	credit	Semesters																					Prerequisites																							
				1.					2.					3.					4.					5.					6.					7.					Neptun-Code	Neptun-Code								
				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										
Common courses of speciality		Total:	23	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	4	2	14	6	0	5	16	0	0	0	0	0	0	0	0	0	0	0	0	2.	KMEMA21AND	21.	KHTVT21AND
47.	KHTAT11AND	Circuit Design	6	7															4	0	2	e	7																									
48.	KHTH21AND	Communication technics II.	6	7															4	0	2	e	7																									
49.	KHTH31AND	Communication technics III.	6	8																				3	0	3	e	8																				
50.	KHTIH11AND	Infocommunication networks	5	8																				3	0	2	e	8																				
Obligatory optional groups of subjects		Total:	22	29																				4	0	2	e	9	4	0	5	12	4	0	3	8												
Telecommunication informatics																																																
51.	KHTT11AND	Telecommunication informatics I.	4	5																				4	0	0	e	5																				
52.	KHTT12AND	Telecommunication informatics I. laboratory	3	4																									0	0	3	a	4															
53.	KHTT21AND	Telecommunication informatics II.	4	5																									4	0	0	e	5															
54.	KHTT22AND	Telecommunication informatics I. laboratory	3	4																														0	0	3	a	4										
55.	KHTIR11AND	Operation and security of information systems	4	4																														4	0	0	e	4										
56.	KHTT1LAND	Projekt I.	2	4																				0	0	2	a	4																				
57.	KHTT2LAND	Projekt II.	2	3																									0	0	2	a	3															
Free optional courses **		Total:	6	10	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3	2	0	0	4											
58.		Course 1	2	3	2	0	0	a	3																																							
59.		Course 2	2	3																									2	0	0	a	3															
60.		Course 3	2	4																									2	0	0	a	4															
KMASD11AND		Final essay	7	15																														0	0	7	a	15										
166		Total:	166	210	15	6	0	0	29	14	9	7	0	31	14	1	11	0	30	17	1	12	0	33	15	2	7	0	33	14	0	5	0	27	13	0	3	0	27									
		Total contact hours per week			21				30					26					30						27				19					13														
		Examination (e)						5					5					5						5				5					3					1										
		Assignment (a)						3					7					7										5					3					3										

Comment: ** List of optional subjects is included in a separate table

Neptun Code	Courses	hours /week	credit	Semesters								
				1.	2.	3.	4.	5.	6.	7.		
61.	Physical education I.	2	0		2	e						
62.	Physical education II.	2	0			2	e					

Obligatory optional courses of branch economical and human knowledge												
GGTUK11AND	Business communication	2	3								2	0 0 a 3
GGTSZ11AND	Sociology	2	3								2	0 0 a 3
Free optional courses												
KMETT11AND	Basics of natural science	2	3	2	0	0	a	3				
KMAMF11AND	Basics of engineering (physics)	2	3	2	0	0	a	3				
KHTMT11AND	Media technology	2	3								2	0 0 a 3
KHTMN11AND	Mobile networks	2	3								2	0 0 a 3

Plan of practical (cooperative) Education

hours/week (lc/lectures, pr/practices, lb/laboratory); requirements: re (e/examination, a/assignment); credits

Neptun Code	Courses	hours /week	credit	Semester (2)					Semester 8.				
				lc	pr	lb	re	cr	lc	pr	lb	re	cr
Cooperative education													
KHTSG11AND	Practice in profession I.	(1)	12					12					
KHTSG12AND	Practice in profession II.										12		
	Optional special subject I.	4	5						4		v	5	
	Optional special subject II.	4	4						4		v	4	
KHTSD12AND	Final essay I.		6					6					
KHTSD13AND	Final essay II.		9									9	
Total:		8	36					18	8	0	0	2	30

Comment: (1) Weekly hours of practice in profession is given by the cooperative contract.

Conditions of cooperative education at Electrical Engineering Faculty:

1. Students have to fulfill minimum 170 credits before starting cooperative education. (2)
2. Maximum 4 credits can be missing from optional group of subjects, depending on credits of module subjects.

Courses of Practical (cooperative) Education are fixed by Council of the Faculty year by year.

Subjects at closing examination:

Telecommunication informatics

	credit
Infocommunication networks	
* Communication technics II.	7
* Infocommunication networks	8