National Research University Higher School of Economics (HSE)

Curriculum
Field of study 10.05.01 "Cyber Security"
Educational Programme "Cyber Security"

Tikhonov Moscow Institute of Electronics and Mathematics, Moscow
3rd, 2021/2022 year of study

APPROVED by
Vice Rector
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"____" _____ 20__ .

Length of Programme: 6 years
Years of Study: 2019/2020 - 2024/2025
Mode of Study: Full Time
Degree: Specialist's Degree

Number of Students: 61
Number of Groups: 2

Block Code	Course	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
						1	2	3	4	
	(!! !!)		60	2280	853	174	232	245	198	
1	Block 1. Courses (Modules)		60	2280	853	174	232	245	198	
. .	General Programme Part		3	114	30	0	0	16	14	
1	Economics	Department of Theoretical Economics	3	114	30			16	14A	
.	Professional Programme Part (Major)		57	2166	823	174	232	229	184	
. .	Basic Components		33	1254	487	118	128	135	102	
2	Probability Theory and Mathematical Statistics	Department of Computer Security	4	152	64	32	32A			
3	Term Paper Probability Theory and Mathematical Statistics				2		vA			
4	Discrete Mathematics	Department of Applied Mathematics	5	190	56	28	28A			
5	Information Theory	Department of Computer Security	4	152	64			32	32A	
6	Programming Techniques (offered in English)	Department of Applied Mathematics	4	152	48			24	24A	
7	Operating Systems	Department of Applied Mathematics	6	228	112	20	28	36A	28A	
8	Electronics and Circuit Engineering	School of Electronic Engineering	4	152	48	24	24A			
9	Basics of Information Security	Department of Computer Security	3	114	36			18	18A	Online Course
10	Independent English Exam	Office of Curriculum Support		0	3			3A		
11	Term Paper Basics of Information Security				2				vA	
12	English for Specific Purposes. IT and Cyber Security (offered in English)	School of Foreign Languages	3	114	52	14A	16	22A		

. .		(!! , !!)		24	912	336	56	104	94	82	
13	Differential Equations	Department of Applied Mathematics	4	152	48	24	24A			
14	Functional Analysis	Department of Computer Security	5	190	64			36	28A	
15	Python Programming Language	Department of Applied Mathematics	4	152	64	32	32A			Online Course
16	Methods of Data Analysis	Department of Applied Mathematics	3	114	48			24	24A	
17	Theory of Complex Functions	Department of Applied Mathematics	4	152	48		48A			

A Interim assessment