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, 2022/2023 year of study

APPROVED by
Vice Rector
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Length of Programme: 6 years
Years of Study: 2020/2021 - 2025/2026
Mode of Study: Full Time
Degree: Specialist's Degree

Number of Students: 118
Number of Groups: 4

Block Code	Course	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
						1	2	3	4	
	(!!	!!)	60	2280	775	190	204	209	172	
1	Block 1. Courses (Modules)		56	2128	773	190	204	209	170	
. .	General Programme Part		3	114	30			16	14	
6	Economics	Department of Theoretical Economics	3	114	30			16	14A	
.	Professional Programme Part (Major)		53	2014	743	190	204	193	156	
. .	Basic Components		31	1178	475	114	124	135	102	
6	Discrete Mathematics	Department of Applied Mathematics	4	152	56	28	28A			
7	Information Theory	Department of Computer Security	4	152	64			32	32A	
12	Programming Techniques (offered in English)	Department of Applied Mathematics	4	152	48			24	24A	
13	Operating Systems	Department of Applied Mathematics	6	228	112	20	28	36A	28A	
16	Electronics and Circuit Engineering	School of Electronic Engineering	3	114	48	24	24A			
17	Basics of Information Security	Department of Computer Security	3	114	36			18	18A	
28	English for Specific Purposes. IT and Cyber Security (offered in English)	School of Foreign Languages	3	114	52	14A	16	22A		
30	Independent English Exam (offered in English)	School of Foreign Languages	0	0	3			3A		
31	Mathematical Statistics	Department of Computer Security	4	152	56	28	28A			
. .	(!! ﾠ ﾠ , ﾠ ﾠ !!)		22	836	268	76	80	58	54	
3	Theory of Complex Functions	Department of Applied Mathematics	5	190	48	24	24A			
4	Differential Equations	Department of Applied Mathematics	5	190	44	20	24A			

6	Assembly Language	Department of Applied Mathematics	4	152	64			34	30A	
7	Methods of Data Analysis	Department of Applied Mathematics	4	152	48			24	24A	
9	Python Programming Language	Department of Applied Mathematics	4	152	64	32	32A			
2	**Block 2. Practice(s), Project and(or) Research work**		**4**	**152**	**2**				**2**	
	Project Activity		**4**	**152**	**2**				**2**	
	Projects and Project Seminar		**4**	**152**	**2**				**2**	
2	Project		4	152	2				2A	

A Interim assessment