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
2nd, 2022/2023 year of study

APPROVED by
Vice Rector
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"____" _____ 20__ .

Length of Programme: 6 years
Years of Study: 2021/2022 - 2026/2027
Mode of Study: Full Time
Degree: Specialist's Degree

Number of Students: 90
Number of Groups: 3

Block Code	Course	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
						1	2	3	4	
	(!!	!!)	60	2442	1088	252	252	330	328	
	Major		45	1710	866	178	178	256	254	
	Core Professional Block (Major)		36	1368	712	136	136	220	220	
	(!!	!!)	30	1140	560	88	88	192	192	
1	Calculus	Department of Applied Mathematics	9	342	128	28A	28A	36	36A	
2	Physics	School of Electronic Engineering	3	114	64	32	32A			
3	Probability Theory	Department of Computer Security	3	114	56			28	28A	
4	Mathematical Logic and Theory of Alghorithms	Department of Applied Mathematics	3	114	64			32	32A	
5	Discrete Mathematics	Department of Computer Security	3	114	72			36	36A	
6	Electronics and Circuit Engineering	School of Electronic Engineering	3	114	64			32	32A	
7	Algebra	Department of Computer Security	6	228	112	28	28A	28	28A	
	(!! !!)		3	114	96	48	48			
8	Programming Languages	Department of Applied Mathematics	3	114	96	48	48A			
	(!!	!!)	3	114	56			28	28	
9	Organizational and Legal Support for Information Security	Department of Computer Security	3	114	56			28	28A	
	Elective Professional Block (Major)		9	342	154	42	42	36	34	
10	History of Cryptography	Department of Computer Security	3	114	70			36	34A	
11	Computer Mathematics: Supplementary Chapters (offered in English)	Department of Applied Mathematics	3	114	48	24	24A			
12	Basics of Information Security	Department of Computer Security	3	114	36	18	18A			

	Internship		**4**	**152**	**2**					
	(!! !!)		**4**	**152**	**2**					
13	(!)		4	152	2				vA	
	(!! !!)		**1**	**200**	**144**	**36**	**36**	**36**	**36**	
	Core General Courses		**1**	**200**	**144**	**36**	**36**	**36**	**36**	
14	Physical Training	Department of Physical Training	1	200	144	36	36	36	36A	
	Minor		**10**	**380**	**76**	**38**	**38**	**38**	**38**	
15	Minor (!)		10	380	76	38	38A	38	38A	
16	(!)		6	228	104	28	32A	44		

A Interim assessment