



National Research University Higher School of Economics (HSE)

Curriculum
 Speciality 10.05.01 Cyber Security
 Educational Programme "Cyber Security"
 Specializations: "Development of Secure Software",
 "Mathematical Methods of Information Security"
 Implementing unit: Tikhonov Moscow Institute of Electronics and
 Mathematics, HSE - Moscow
 1 st, 2024/2025 academic year

APPROVED
 03.05.2024
 Vice Rector
 ROSHCHIN S.Y.
 Signed with EDS

Length of Programme: 5 years 6 months
 Years of Study: 2024/2025 - 2029/2030
 Mode of Study: Full Time
 Degree: Specialist's degree

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
Degree Programme				60,00	2 480	1 142	228	274	344	296	
Data Culture				3,00	114	18	8	8	2		
1	Data-Culture	C	Department of Computer Security	3,00	114	16	8	8A			
2	Independent Digital Literacy Test	C	отдел развития цифровых компетенций			2			2A		Online Course
Major				50,00	1 900	858	162	196	274	226	
Core Professional Block (Major)				47,00	1 786	794	162	168	238	226	
1	Hardware Computer Technology	C	Department of Computer Security	3,00	114	52			32	20A	
2	Geometry	C	Department of Applied Mathematics	3,00	114	54	26	28A			
3	Discrete Mathematics	C	Department of Computer Security	4,00	152	56			28	28A	
4	Computer Science	C	Department of Computer Security	6,00	228	52	24	28A			
5	Linear Algebra	C	Department of Applied Mathematics	6,00	228	112	24	24A	32	32A	
6	Calculus	C	Department of Applied Mathematics	9,00	342	180	40	40A	50	50A	
7	Physics	C	School of Electronic Engineering	6,00	228	72			36	36A	
8	Programming Languages	C	Department of Applied Mathematics	10,00	380	216	48	48A	60	60A	
Elective Professional Block (Major)				3,00	114	64		28	36		
Дисциплины по выбору ОП				3,00	114	64		28	36		

1	Introduction to Number Theory	C	Department of Computer Security	3,00	114	64		28	36A		
	English					2				2	
	Optional Courses										
1	English	O		8,00	304	128	20	28A	40	40A	Foreign language, Credits only to the cumulative rating
	Examinations					2				2	
1	English Language Integrative Exam	C	School of Foreign Languages			2				2A	Foreign language
	General Courses			7,00	466	264	58	70	68	68	
	Optional General Courses			6,00	228	102	12	42	24	24	
1	Russian History	C	School of History	4,00	152	76	12	16A	24	24A	Online Course
2	Foundations of Russian Statehood	C	School of History	2,00	76	26		26A			Online Course
	Core General Courses			1,00	238	162	46	28	44	44	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	9	9A			Online Course
2	Physical Training	C	Department of Physical Training		200	144	28	28	44	44A	

Curriculum agreed:

Academic Supervisor	LOS A.B.	18.04.2024
Dean	KROUK E.A.	18.04.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	26.04.2024

* Subject type:

Compulsory course
 Elective course
 Optional course

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