



National Research University Higher School of Economics (HSE)

Curriculum
Field of study 10.03.01 Information Security
Educational Programme "Information Security"
Implementing unit: Tikhonov Moscow Institute of Electronics and
Mathematics, HSE - Moscow
1 st, 2025/2026 academic year

APPROVED
26.05.2025
Vice Rector

ROSHCHIN S.Y.
Signed with EDS

Length of Programme: 4 years
Years of Study: 2025/2026 - 2028/2029
Mode of Study: Full Time
Degree: Bachelor's degree

Block Code	Course	Subject type	Department	Period of execution	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
								1	2	3	4	
	Degree Programme				60,00	2 480	1 100	201	281	326	292	
	Data Culture						2			2		
1	Independent Digital Literacy Test	C	отдел развития цифровых компетенций				2			2A		Online Course
	Major				53,00	2 014	830	152	202	256	220	
	Core Professional Block (Major)				49,00	1 862	770	152	202	226	190	
1	Algebra and Geometry	C	кафедра информационной безопасности киберфизических систем		6,00	228	112	56A	56A			
2	Algorithmization and Programming	C	кафедра информационной безопасности киберфизических систем		10,00	380	166	38	40A	48	40A	
3	Discrete Mathematics	C	Department of Applied Mathematics		4,00	152	48			24	24A	
4	Informatics, Computer Systems and Networks	C	кафедра информационной безопасности киберфизических систем		10,00	380	120	30	30	42A	18A	
5	Calculus	C	Department of Applied Mathematics		12,00	456	188	28	40A	60	60A	
6	Physics	C	School of Electronic Engineering		7,00	266	136		36	52A	48A	
	Elective Professional Block (Major)				4,00	152	60			30	30	
	Дисциплины по выбору ОП				4,00	152	60			30	30	
1	The Foundations of Cryptography and Steganography	C	кафедра информационной безопасности киберфизических систем		4,00	152	60			30	30A	
	General Courses				7,00	466	264	49	79	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	37	37	44	44	

1	Safe Living Basics	C	Проектно-учебная лаборатория «Бизнес-инкубатор Высшей школы экономики»		1,00	38	18	9	9A			Online Course
2	Physical Training	C	Department of Physical Training			200	144	28	28	44	44A	
	Internship						2				2	
	Fixed						2				2	
1	Algorithmization and Programming	C		F			2				2A	
	Language and Communication						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

Curriculum agreed:

Academic Supervisor	Иванов Ф.И.	06.05.2025
Dean	Kovalenko D.G.	06.05.2025
Head of Centre for Educational Model Design	LEPESHKIN I.A.	26.05.2025

* Subject type:

Compulsory course

C

Elective course

E

Optional course

O

Period of execution:

Fixed

F