



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, 2021/2022 academic year

APPROVED
 27.04.2021
 Vice Rector
 ROSHCHIN Y.S.
 Signed with EDS

Length of Programme: 4 years
 Years of Study: 2021/2022 - 2024/2025
 Mode of Study: Full Time
 Degree: Bachelor's degree

Number of Students: 70
 Number of Groups: 3

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	2 480	1 163	174	224	316	302	
	Data Culture					3					
1	Independent Digital Competence Assessment. Digital Literacy		центр поддержки и мониторинга образовательных программ			3				3A	
	Major			50	1 900	726	82	148	256	240	
	Core Professional Block (Major)			44	1 672	652	76	140	224	212	
	Subject Areas			44	1 672	652	76	140	224	212	
	Algebra and Geometry			5	190	84			44	40	
1	Algebra and Geometry	C	Department of Applied Mathematics	5	190	84			44	40A	
	Algorithmisation and Programming			12	456	140	20	36	44	40	
1	Algorithmization and Programming	C	School of Electronic Engineering	12	456	140	20	36A	44	40A	
2	Algorithmization and Programming	C									
	Discrete Mathematics			4	152	48			24	24	
1	Discrete Mathematics	C	Department of Applied Mathematics	4	152	48			24	24A	
	Computer Science			4	152	56	28	28			
1	Computer Science	C	School of Computer Engineering	4	152	56	28	28A			
	Mathematical Analysis			12	456	188	28	40	60	60	
1	Calculus	C	Department of Applied Mathematics	12	456	188	28	40A	60	60A	
	Modeling			7	266	136		36	52	48	

1	Physics	C	School of Electronic Engineering	7	266	136		36	52A	48A	
Elective Professional Block (Major)				6	228	74	6	8	32	28	
Научно-исследовательский и проектный семинар				6	228	74	6	8	32	28	
1	Project Seminar 1	C	School of Electronic Engineering	2	76	42			22	20A	
2	Project seminar on information security	C	School of Electronic Engineering	4	152	32	6	8	10	8A	
English						146				2	
Optional Courses						144					
1	English	O		8		144	24	32A	44	44A	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				5	390	192	68	52	36	36	
Optional General Courses				4	152	30	14	16			
1	History	C	Department of Humanities	4	152	30	14	16A			Online Course
Core General Courses				1	238	162	54	36	36	36	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1	38	18	18A				Online Course
2	Physical Training	C	Department of Physical Training		200	144	36	36	36	36A	
Internship				5	190	96	24	24	24	24	
Professional Internship				5	190	96	24	24	24	24	
1	Computer workshop: administration of systems and networks	C	School of Electronic Engineering	5	190	96	24	24	24	24A	

Curriculum agreed:

Academic Supervisor	IVANOV F.I.	16.04.2021
Dean	KROUK E.A.	19.04.2021
Head of Degree Programmes Development Office	MAMONOVA M.A.	27.04.2021

* Subject type:

Compulsory course C
 Elective course E
 Optional course O