



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
 2 nd, 2021/2022 academic year

APPROVED
 29.03.2021
 Vice Rector
 ROSHCHIN Y.S.
 Signed with EDS

Length of Programme: 4 years
 Years of Study: 2020/2021 - 2023/2024
 Mode of Study: Full Time
 Degree: Bachelor'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	2 508	966	182	228	236	191	
	Major			39	1 482	562	108	154	160	112	
	Core Professional Block (Major)			32	1 216	476	94	130	136	88	
	Subject Areas			32	1 216	476	94	130	136	88	
	Discrete Mathematics			3	114	28				28	
1	Mathematical Logic	C	Department of Applied Mathematics	3	114	28				28A	Online Course
	Mathematical Analysis			4	152	56	28	28			
1	Calculus	C	Department of Applied Mathematics	4	152	56	28	28A			
	Modeling			14	532	194	36	36	62	60	
1	Modelling of Systems and Processes	C	School of Electronic Engineering	4	152	40			20	20A	
2	Physics	C	School of Electronic Engineering	4	152	72	36	36A			
3	Electronics and Electric Engineering	C	School of Electronic Engineering	6	228	82			42	40A	
	Fundamentals of Information Security			6	228	108		36	44		
1	Mathematical Methods of Information Security	C	School of Electronic Engineering	6	228	108		36	44	28A	
	Probability Theory and Mathematical Statistics			5	190	90	30	30	30		
1	Probability Theory and Mathematical Statistics	C	Department of Applied Mathematics	5	190	90	30	30	30A		
	Elective Professional Block (Major)			7	266	86	14	24	24	24	
	Научно-исследовательский/Проектный семинар			7	266	86	14	24	24	24	
1	Project Seminar	C	School of Electronic Engineering	7	266	86	14A	24	24	24A	
	Minor			10	380	152	38	38	38	38	

1	Minor	C		10	380	152	38	38A	38	38A	
	English				228	104				3	
	Optional Courses				228	104					
1	English	O		6	228	104	28	32A	44		Credits only to the cumulative rating
	General Courses			1	38	144	36	36	36	36	
	Core General Courses			1	38	144	36	36	36	36	
1	Physical Training	C	Department of Physical Training	1	38	144	36	36	36	36A	
	Internship			10	380	4			2	2	
	Research Internship			5	190	2				2	
1	Educational Science Research Internship	C		5	190	2				2A	
	Project Internship			5	190	2			2		
1	Исследовательский или прикладной проект	E		5	190	2			2A		

Curriculum agreed:

Academic Supervisor	IVANOV F.I.	09.03.2021
Dean	KROUK E.A.	11.03.2021
Head of Degree Programmes Development Office	MAMONOVA M.A.	24.03.2021

* Subject type:

Compulsory course

C

Elective course

E

Optional course

O