



National Research University Higher School of Economics (HSE)

Curriculum
 Speciality 10.05.01 Cyber Security
 Educational Programme "Cyber Security"
 Specializations: "Computer Security"

Implementing unit: Tikhonov Moscow Institute of Electronics and
 Mathematics, HSE - Moscow
 1 st, 2022/2023 academic year

APPROVED
 19.04.2022
 Vice Rector
 ROSHCHIN S.Y.
 Signed with EDS

Length of Programme: 6 years
 Years of Study: 2022/2023 - 2027/2028
 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	1 071	244	262	305	260	
Data Culture				3,00	114	19	8	8	3		
1	Data-Culture	C	Department of Applied Mathematics	3,00	114	16	8	8A			Online Course
2	Independent Digital Literacy Test	C	Center for Support and Monitoring of Degree Programs			3			3A		
Major				52,00	1 976	858	168	202	266	222	
Core Professional Block (Major)				49,00	1 862	794	168	170	234	222	
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	48			24	24A	
4	Computer Science	C	Department of Computer Security	6,00	228	60	30	30A			
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	12,00	456	216	48	48A	60	60A	
Elective Professional Block (Major)				3,00	114	64		32	32		
Дисциплины по выбору ОП				3,00	114	64		32	32		

1	Introduction to Number Theory	C	Department of Computer Security	3,00	114	64		32	32A		
	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			5,00	390	192	68	52	36	36	
	Optional General Courses			4,00	152	30	14	16			
1	Elective courses	E		4,00	152	30	14	16A			
	Core General Courses			1,00	238	162	54	36	36	36	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	18A				Online Course
2	Physical Training	C	Department of Physical Training		200	144	36	36	36	36A	

Curriculum agreed:

Academic Supervisor	LOS A.B.	04.04.2022
Dean	KROUK E.A.	04.04.2022
Head of Degree Programmes Development Office	MAMONOVA M.A.	12.04.2022

* Subject type:

Compulsory course

C

Elective course

E

Optional course

O