

## National Research University Higher School of Economics (HSE)

Curriculum  
Field of study 10.05.01 "Cyber Security"  
Educational Programme "Cyber Security"

APPROVED by  
Vice Rector

Tikhonov Moscow Institute of Electronics and Mathematics, Moscow  
2nd, 2021/2022 year of study

"\_\_\_" \_\_\_\_\_ 20\_\_.

Length of Programme: 6 years

Years of Study: 2020/2021 - 2025/2026

Mode of Study: Full Time

Degree: Specialist's Degree

Number of Students: (       )

Number of Groups: (       )

Block Code	Course	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
						1	2	3	4	
	(!!	!!)	<b>61</b>	<b>2480</b>	<b>1070</b>	<b>148</b>	<b>144</b>	<b>124</b>	<b>56</b>	
<b>1</b>	Block 1. Courses (Modules)		<b>61</b>	<b>2480</b>	<b>1070</b>	<b>148</b>	<b>144</b>	<b>124</b>	<b>56</b>	
. .	General Programme Part		<b>6</b>	<b>390</b>	<b>248</b>	<b>68</b>	<b>64</b>	<b>80</b>	<b>36</b>	
1	Physical Training	Department of Physical Training	1	200	144	36	36	36	36A	
2	Foreign Language (English)	School of Foreign Languages	5	190	104	32	28A	44A		
.	Professional Programme Part (Major)		<b>55</b>	<b>2090</b>	<b>822</b>	<b>80</b>	<b>80</b>	<b>44</b>	<b>20</b>	
. .	Basic Components		<b>44</b>	<b>1672</b>	<b>708</b>	<b>80</b>	<b>80</b>	<b>44</b>	<b>20</b>	
3	Calculus	Department of Applied Mathematics	7	266	120	28	28A	44	20A	
4	Algebra	Department of Applied Mathematics	3	114	56	28	28A			
5	Probability Theory and Mathematical Statistics	Department of Computer Security	5	190	84					
6	Mathematical Logic and Theory of Algorithms	Department of Applied Mathematics	4	152	64					
7	Discrete Mathematics	Department of Applied Mathematics	4	152	84					
8	Physics	School of Electronic Engineering	4	152	64					
9	Programming Languages	Department of Applied Mathematics	4	152	48	24	24A			
10	Hardware Computer Technology	School of Electronic Engineering	4	152	56					

14	Electronics and Circuit Engineering		4	152	72					
17	Organizational and Legal Support for Information Security		5	190	60					
	(!!	!!)	<b>11</b>	<b>418</b>	<b>114</b>					
4	The History of Cryptography		4	152	64					
5	Computer Mathematics: Supplementary Chapters (offered in English)		4	152	48					
6	Methods and Algorithms of Graph Theory		3	114	2					

A Interim assessment