



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 10.04.01 Information Security

Educational Programme "Cybersecurity"

Trajectories: "Cybersecurity"

Implementing unit: Tikhonov Moscow Institute of Electronics and Mathematics, HSE - Moscow

2 nd, 2024/2025 academic year

APPROVED

04.03.2024

Vice Rector  
ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 2 years

Years of Study: 2023/2024 - 2024/2025

Mode of Study: Full Time

Degree: Master's degree / MBA

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
<b>Degree Programme</b>				<b>60,00</b>	<b>2 280</b>	<b>258</b>	<b>68</b>	<b>102</b>	<b>84</b>	<b>4</b>	
<b>Cybersecurity (Applied track)</b>				<b>60,00</b>	<b>2 280</b>	<b>258</b>	<b>68</b>	<b>102</b>	<b>84</b>	<b>4</b>	
<b>Major</b>				<b>21,00</b>	<b>798</b>	<b>198</b>	<b>54</b>	<b>84</b>	<b>60</b>		
<b>Elective Courses</b>				<b>6,00</b>	<b>228</b>	<b>48</b>	<b>24</b>	<b>24</b>			
1	Development of protected software systems	E	кафедра информационной безопасности киберфизических систем	6,00	228	48	24	24A			
2	Network Information Security Tools	E	кафедра информационной безопасности киберфизических систем	6,00	228	48	24	24A			
<b>Compulsory Courses</b>				<b>15,00</b>	<b>570</b>	<b>150</b>	<b>30</b>	<b>60</b>	<b>60</b>		
1	Protection of computer networks and systems	C	кафедра информационной безопасности киберфизических систем	9,00	342	90	30	30A	30A		
2	Attack detection and incident management technologies	C	кафедра информационной безопасности киберфизических систем	6,00	228	60		30	30A		
<b>Final State Certification (FSC)</b>				<b>6,00</b>	<b>228</b>	<b>2</b>				<b>2</b>	
1	Final Qualification Paper	C		6,00	228	2				2A	
<b>Key Seminars</b>				<b>12,00</b>	<b>456</b>	<b>56</b>	<b>14</b>	<b>18</b>	<b>24</b>		
1	Project Seminar on Cyber Security	C	кафедра информационной безопасности киберфизических систем	9,00	342	46	12	14A	20A		
2	Mentor's Seminar	C	кафедра информационной безопасности киберфизических систем	3,00	114	10	2	4A	4A		
<b>Magolego</b>				<b>3,00</b>	<b>114</b>						

1	All-university Pool MAGOLEGO Courses	E		3,00	114					
	<b>Internship</b>			<b>18,00</b>	<b>684</b>	<b>2</b>				<b>2</b>
	<b>Research Internship</b>			<b>18,00</b>	<b>684</b>	<b>2</b>				<b>2</b>
1	Graduation Thesis	C		18,00	684	2				2

**Curriculum agreed:**

Academic Supervisor	EVSYUTIN O.O.	26.02.2024
Dean	KROUK E.A.	27.02.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	04.03.2024

\* Subject type:

Compulsory course

C

Elective course

E