



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 10.04.01 Information Security

Educational Programme "Information Security of Cyber-physical Systems"

Trajectories: "Information Security of Cyber-physical Systems"

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

1 st, 2022/2023 academic year

APPROVED

20.05.2022

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 2 years

Years of Study: 2022/2023 - 2023/2024

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>60</b>	<b>126</b>	<b>146</b>	<b>76</b>	<b>72</b>	
<b>Information Security of Cyber-physical Systems (General track)</b>				<b>60,00</b>	<b>2 280</b>	<b>60</b>	<b>126</b>	<b>146</b>	<b>76</b>	<b>72</b>	
<b>Major</b>				<b>30,00</b>	<b>1 140</b>		<b>108</b>	<b>124</b>	<b>64</b>	<b>60</b>	
<b>Components of the Field of Study</b>				<b>30,00</b>	<b>1 140</b>						
1	Protection of computer networks and systems	E	кафедра информационной безопасности киберфизических систем	12,00	456	100	18	20A	32	30A	Online Course
2	Cryptographic Methods of Information Security	E	кафедра информационной безопасности киберфизических систем	6,00	228	52	24	28A			
3	Cryptographic Protocols	C	кафедра информационной безопасности киберфизических систем	6,00	228	52	24	28A			
4	Regulatory support for information security	E	кафедра информационной безопасности киберфизических систем	6,00	228	52	24	28A			Online Course
5	Development of protected software systems	E	кафедра информационной безопасности киберфизических систем	12,00	456	100	18	20A	32	30A	
<b>Key Seminars</b>				<b>6,00</b>	<b>228</b>	<b>60</b>	<b>18</b>	<b>22</b>	<b>10</b>	<b>10</b>	
1	Project seminar on information security	C	кафедра информационной безопасности киберфизических систем	3,00	114	26	12	14A			
2	Mentor's Seminar	C	кафедра информационной безопасности киберфизических систем	3,00	114	34	6	8	10	10A	
<b>Magolego</b>				<b>9,00</b>	<b>342</b>						

1	Дисциплины по выбору из общеуниверситетского пула	E		9,00	342					
	<b>Internship</b>			<b>15,00</b>	<b>570</b>				<b>2</b>	<b>2</b>
	<b>Project Internship</b>			<b>6,00</b>	<b>228</b>					<b>2</b>
1	Project	E		6,00	228	2				2A
	<b>Professional Internship</b>			<b>9,00</b>	<b>342</b>				<b>2</b>	
1	Work Experience Internship	C		9,00	342	2			2A	

**Curriculum agreed:**

Academic Supervisor EVSYUTIN O.O. 19.05.2022

Dean KROUK E.A. 20.05.2022

Head of Degree Programmes  
Development Office MAMONOVA M.A. 20.05.2022

\* Subject type:

Compulsory course

C

Elective course

E