



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 01.04.02 Applied Mathematics and Informatics

Educational Programme "Systems Reliability Engineering"

Trajectories: "Systems Reliability Engineering"

Implementing unit: St. Petersburg School of Mathematics,

Physics and Computer Science, HSE, HSE - Saint Petersburg

2 nd, 2024/2025 academic year

APPROVED

15.04.2024

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>272</b>	<b>82</b>	<b>178</b>	<b>32</b>	<b>4</b>	
<b>Systems Reliability Engineering (Applied track)</b>				<b>60,00</b>	<b>2 280</b>	<b>272</b>	<b>82</b>	<b>178</b>	<b>32</b>	<b>4</b>	
<b>Major</b>				<b>21,00</b>	<b>798</b>	<b>224</b>	<b>62</b>	<b>158</b>	<b>28</b>		
<b>Major elective 2 year (4 из 5)</b>				<b>21,00</b>	<b>798</b>	<b>224</b>	<b>62</b>	<b>158</b>	<b>28</b>		
1	Automation and digitalization of enterprises (ERP subsystems)	E	Informatics Department	6,00	228	56		28	28A		
2	Information security of corporate information systems	E	Informatics Department	3,00	114	68		68A			
3	Machine learning and data mining methods	E	Informatics Department	6,00	228	68	34	34A			
4	Cloud Technologies	E	Informatics Department	6,00	228	56	28	28A			
5	Designing highly loaded corporate information systems	E	Informatics Department	6,00	228	36	18	18A			
<b>Final State Certification (FSC)</b>				<b>3,00</b>	<b>114</b>	<b>2</b>				<b>2</b>	
1	Final Qualification Paper	C		3,00	114	2				2A	
<b>Key Seminars</b>				<b>9,00</b>	<b>342</b>	<b>42</b>	<b>20</b>	<b>20</b>	<b>2</b>		
1	Research Seminar «Modern software development technologies»	C	Informatics Department	6,00	228	36	18	18A			
2	Mentor's Seminar	C	Informatics Department	3,00	114	6	2	2	2A		
<b>Magolego</b>				<b>6,00</b>	<b>228</b>						
1	All-university Pool MAGOLEGO Courses	E		6,00	228						
<b>Internship</b>				<b>21,00</b>	<b>798</b>	<b>4</b>			<b>2</b>	<b>2</b>	
<b>Project Internship</b>				<b>21,00</b>	<b>798</b>	<b>4</b>			<b>2</b>	<b>2</b>	
1	Preparation of Final Qualification Paper	C		15,00	570	2				2	

2	Project 2 year	C		6,00	228	2			2A	
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**Curriculum agreed:**

Academic Supervisor	MUKHIN M.S.	03.04.2024
Dean		09.04.2024
Deputy Director	KUZMIN P.V.	10.04.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	12.04.2024

\* Subject type:

Compulsory course

C

Elective course

E