



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 01.04.02 Applied Mathematics and Informatics

Educational Programme "Master of Data Science"

Trajectories: "Data Scientist"

Implementing unit: Faculty of Computer Science, HSE - Moscow

2 nd, 2023/2024 academic year

APPROVED

30.03.2023

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	
	<b>Degree Programme</b>			<b>60,00</b>	<b>2 280</b>	<b>42</b>	<b>24</b>	<b>14</b>	<b>4</b>	
	<b>Data Scientist (Applied track)</b>			<b>60,00</b>	<b>2 280</b>	<b>42</b>	<b>24</b>	<b>14</b>	<b>4</b>	
	<b>Major</b>			<b>6,00</b>	<b>228</b>	<b>20</b>	<b>20</b>			
1	Modern Data Analysis: Machine Learning	C	Department of Big Data and Information Retrieval	3,00	114	10	10A			Online Course, Foreign language
2	Modern Decision Making: Applied Machine Learning	C	Department of Big Data and Information Retrieval	3,00	114	10	10A			Online Course, Foreign language
	<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	Foreign language
	<b>Key Seminars</b>			<b>7,00</b>	<b>266</b>	<b>18</b>	<b>4</b>	<b>14</b>		
1	Research Seminar "Deep Learning"	C	Department of Big Data and Information Retrieval	3,00	114	10		10A		Foreign language
2	Mentor's Seminar	C	Department of Big Data and Information Retrieval	4,00	152	8	4	4A		Foreign language
	<b>Magolego</b>			<b>30,00</b>	<b>1 140</b>					
1	All-university Pool MAGOLEGO Courses	E		30,00	1 140					Foreign language
	<b>Internship</b>			<b>14,00</b>	<b>532</b>	<b>2</b>			<b>2</b>	
	<b>Research Internship</b>			<b>14,00</b>	<b>532</b>	<b>2</b>			<b>2</b>	
1	Final Qualification Paper Preparation	C		14,00	532	2			2	Foreign language

Curriculum agreed:

Academic Supervisor

SOKOLOV E.A.

24.03.2023

Dean	ARZHANTSEV I.V.	24.03.2023
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Head of Centre for Educational Model Design	LEPESHKIN I.A.	30.03.2023
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* Subject type:	
Compulsory course	C
Elective course	E