



## 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: "Master of Data Science"

Implementing unit: Faculty of Computer Science, HSE - Moscow

2 nd, 2024/2025 academic year

APPROVED

27.05.2024

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>68</b>	<b>50</b>	<b>14</b>		<b>4</b>	
<b>Master of Data Science (Applied track)</b>				<b>60,00</b>	<b>2 280</b>	<b>68</b>	<b>50</b>	<b>14</b>		<b>4</b>	
<b>Major</b>				<b>12,00</b>	<b>456</b>	<b>48</b>	<b>48</b>				
1	Introduction to Deep Learning	C	Department of Big Data and Information Retrieval	3,00	114	12	12A				Online Course, Foreign language
2	Applied Statistics	C	Department of Big Data and Information Retrieval	3,00	114	12	12A				Online Course, Foreign language
3	Modern Data Analysis: Machine Learning	C	Department of Big Data and Information Retrieval	3,00	114	12	12A				Online Course, Foreign language
4	Modern Decision Making: Applied Machine Learning	C	Department of Big Data and Information Retrieval	3,00	114	12	12A				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>16</b>	<b>2</b>	<b>14</b>			
1	Research Seminar "Deep Learning"	C	Department of Big Data and Information Retrieval	3,00	114	12		12A			Foreign language
2	Mentor's Seminar	C	Department of Big Data and Information Retrieval	4,00	152	4	2	2A			Foreign language
<b>Magolego</b>				<b>24,00</b>	<b>912</b>						
1	All-university Pool MAGOLEGO Courses	E		24,00	912						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	Burova M.B.	15.04.2024
Dean	ARZHANTSEV I.V.	15.04.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	22.05.2024

\* Subject type:

Compulsory course

C

Elective course

E