



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, 2025/2026 academic year

APPROVED

15.04.2025

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 2 years

Years of Study: 2024/2025 - 2025/2026

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	
	Degree Programme			60,00	2 280	210	72	102	38	4	
	Master of Data Science (Applied track)			60,00	2 280	216	72	102	38	4	
	Major			15,00	570	120	24	72	24		
1	Time Series Analysis and Forecasting	C	Department of Big Data and Information Retrieval	3,00	114	24		24A			
2	Machine Learning 2	C	Department of Big Data and Information Retrieval	6,00	228	48	24	24A			
3	Neural Networks and Deep Learning	C	Department of Big Data and Information Retrieval	6,00	228	48		24	24A		
	Final State Certification (FSC)			3,00	114	2				2	
1	Final Qualification Paper	C		3,00	114	2				2A	
	Key Seminars			15,00	570	90	48	30	12		
1	Research Seminar "Artificial Intelligence in Business"	C	Department of Big Data and Information Retrieval	6,00	228	48	24	24A			
2	Mentor's Seminar	C	Department of Big Data and Information Retrieval	9,00	342	42	24A	6	12A		
	Magolego			9,00	342						
1	All-university Pool MAGOLEGO Courses	E		9,00	342						
	Internship			18,00	684	4			2	2	
	Research Internship			18,00	684	4			2	2	
1	Preparation of the Final Qualifying Work	C		18,00	684	4			2	2A	
	Master of Data Science (Applied track)			60,00	2 280	216	72	102	38	4	
	Major			15,00	570	120	24	72	24		
1	Time Series Analysis and Forecasting	C	Department of Big Data and Information Retrieval	3,00	114	24		24A			Foreign language

2	Machine Learning 2	C	Department of Big Data and Information Retrieval	6,00	228	48	24	24A			Foreign language
3	Neural Networks and Deep Learning	C	Department of Big Data and Information Retrieval	6,00	228	48		24	24A		Foreign language
	Final State Certification (FSC)			3,00	114	2				2	
1	Final Qualification Paper	C		3,00	114	2				2A	Foreign language
	Key Seminars			15,00	570	90	48	30	12		
1	Research Seminar "Artificial Intelligence in Business"	C	Department of Big Data and Information Retrieval	6,00	228	48	24	24A			Foreign language
2	Mentor's Seminar	C	Department of Big Data and Information Retrieval	9,00	342	42	24A	6	12A		Foreign language
	Magolego			9,00	342						
1	All-university Pool MAGOLEGO Courses	E		9,00	342						Foreign language
	Internship			18,00	684	4			2	2	
	Research Internship			18,00	684	4			2	2	
1	Final Qualification Paper Preparation	C		18,00	684	4			2	2A	Foreign language

Curriculum agreed:

Academic Supervisor	Волощук П.В.	05.03.2025
Dean	ARZHANTSEV I.V.	05.03.2025
Head of Centre for Educational Model Design	LEPESHKIN I.A.	14.04.2025

* Subject type:

Compulsory course

C

Elective course

E