B

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 1 st, 2024/2025 academic year APPROVED 27.05.2024 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

							Allocation of Contact Hours				
Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	1	2	3	4	Additional Information
	Degree Programme				2 280	346	62	62	110	112	
	Master of Data Science (Applied track)			60,00	2 280	346	62	62	110	112	
	Major			30,00	1 140	242	48	48	96	50	
1	Python Basic	С	Department of Big Data and Information Retrieval	3,00	114	24	24A				Foreign language
2	Python Advanced	С	Department of Big Data and Information Retrieval	3,00	114	24		24A			Foreign language
3	SQL	С	Department of Big Data and Information Retrieval	3,00	114	24				24A	Foreign language
4	Algorithms and Data Structures	С	Department of Big Data and Information Retrieval	6,00	228	50			48	2A	Foreign language
5	Discrete Mathematics	С	Department of Big Data and Information Retrieval	3,00	114	24	24A				Foreign language
6	Linear Algebra	С	Department of Big Data and Information Retrieval	3,00	114	24			24A		Foreign language
7	Calculus	С	Department of Big Data and Information Retrieval	3,00	114	24		24A			Foreign language
8	Basic Statistics	С	Department of Big Data and Information Retrieval	3,00	114	24				24A	Foreign language
9	Probability Theory	С	Department of Big Data and Information Retrieval	3,00	114	24			24A		Foreign language
	Key Seminars		•	18,00	684	56	14	14	14	14	
1	Research Seminar "Introduction to Specialty"	С	Department of Big Data and Information Retrieval	12,00	456	48	12	12A	12	12A	Foreign language
2	Mentor's Seminar	С	Department of Big Data and Information Retrieval	6,00	228	8	2	2A	2	2A	Foreign language
	Internship			12,00	456	48				48	
	Project Internship				456	48				48	

Curriculum agreed:							
Academic Supervisor Burova M.B. 21.05.20	2024						

Dean	ARZHANTSEV I.V.	22.05.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	22.05.2024
* Subject type:		

Compulsory course	С
Elective course	E