



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 01.04.02 Applied Mathematics and Informatics

Educational Programme "Big Data Analytics"

Trajectories: "Big Data Analytics"

Implementing unit: Faculty of Computer Science, HSE - Moscow

1 st, 2024/2025 academic year

APPROVED

20.05.2024

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

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	422	88	60	116	158	
	Big Data Analytics (Applied track)			60,00	2 280	422	88	60	116	158	
	Major			36,00	1 368	400	84	56	110	150	
1	A/B testing: basics	C	Department of Big Data and Information Retrieval	3,00	114	40			40A		
2	SQL	C	Department of Big Data and Information Retrieval	3,00	114	40			40A		
3	Introduction to Machine Learning	C	Department of Big Data and Information Retrieval	3,00	114	40				40A	
4	Data Visualization	C	Department of Big Data and Information Retrieval	3,00	114	40				40A	
5	Modern Software Engineering Practices	C	Department of Big Data and Information Retrieval	3,00	114	28	28A				
6	Mathematics for Data Analysis	C	Department of Big Data and Information Retrieval	12,00	456	116	28	28A	30	30A	
7	Python Programming	C	Department of Big Data and Information Retrieval	6,00	228	56	28	28A			
8	Product development and product analytics	C	Department of Big Data and Information Retrieval	3,00	114	40				40A	
	Key Seminars			9,00	342	20	4	4	6	6	
1	Mentor's Seminar	C	Department of Big Data and Information Retrieval	9,00	342	20	4	4A	6	6A	
	Magolego			6,00	228						
1	All-university Pool MAGOLEGO Courses	E		6,00	228						
	Internship			9,00	342	2				2	
	Project Internship			9,00	342	2				2	
1	Term Paper	C		9,00	342	2				2A	

Curriculum agreed:

Academic Supervisor	Паточенко Е.А.	15.05.2024
Dean	ARZHANTSEV I.V.	15.05.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	15.05.2024

*** Subject type:**

Compulsory course

C

Elective course

E