



National Research University Higher School of Economics (HSE)

Curriculum
Field of study 01.03.01 Mathematics
Educational Programme "Mathematics"
Implementing unit: Faculty of Mathematics, HSE - Moscow
3 rd, 2023/2024 academic year

APPROVED
03.05.2023
Vice Rector
ROSHCHIN S.Y.
Signed with EDS

Length of Programme: 4 years
Years of Study: 2021/2022 - 2024/2025
Mode of Study: Full Time
Degree: Bachelor's degree

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
Degree Programme				63,00	2 394	570	130	126	165	174	
Data Culture				6,00	228	88			46	42	
1	Mathematical Statistics and Data Analysis	C	Faculty of Mathematics	5,00	190	84			44	40A	
2	Independent Data Science Test. Intermediate	C	отдел развития цифровых компетенций	1,00	38	2				2A	Online Course
3	Independent Programming Test. Intermediate	E	отдел развития цифровых компетенций			2			2A		Online Course
Major				34,00	1 292	346	100	94	76	100	
Core Professional Block (Major)				10,00	380	82	40	36		30	
Subject Areas				10,00	380	82	40	36		30	
Probability Theory				10,00	380	82	40	36		30	
1	Independent Exam "Mathematics. Licenciatus"	C	Faculty of Mathematics	3,00	114	6				6A	
2	Probability Theory	C	Faculty of Mathematics	7,00	266	76	40	36A			
Elective Professional Block (Major)				24,00	912	264	60	58	76	70	
курсы по выбору				14,00	532	72	16	16	20	20	
1	-	E		14,00	532	72	16A	16A	20A	20A	
-				5,00	190	86	44	42			
1	Algebra	E	Faculty of Mathematics	5,00	190	60	32	28A			
2	Introduction into Python	E	Department of Big Data and Information Retrieval	5,00	190	26	12	14A			Online Course
-				5,00	190	106			56	50	
1	Logic and Algorithms	E	Faculty of Mathematics	5,00	190	106			56	50A	
2	Mechanics	E	Faculty of Mathematics	5,00	190	104			54	50A	
Minor				10,00	380	72	16	16	20	20	
1	Minor	C		10,00	380	72	16	16	20	20A	
English						2			3		

	Examinations					2			3		
1	Independent English Exam	C	School of Foreign Languages			2			2A		Foreign language
	General Courses			8,00	304	60	14	16	20	10	
	Optional General Courses			8,00	304	60	14	16	20	10	
1	Legal Literacy	C	департамент права цифровых технологий и биоправа	4,00	152	30			20	10A	Online Course
2	Economics	C	Department of Theoretical Economics	4,00	152	30	14	16A			Online Course
	Internship			5,00	190	2				2	
	Research Internship			5,00	190	2				2	
1	Term Paper	C		5,00	190	2				2A	

Curriculum agreed:

Academic Supervisor

KLIMENKO A.V.

27.04.2023

Dean

SKRIPCHENKO A.S.

28.04.2023

Head of Centre for
Educational Model Design

LEPESHKIN I.A.

03.05.2023

* Subject type:

Compulsory course

C

Elective course

E

Optional course

O