



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

1 st, 2024/2025 academic year

APPROVED

19.04.2024

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 4 years

Years of Study: 2024/2025 - 2027/2028

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				65,00	2 670	1 158	247	225	350	336	
Data Culture						2			2		
1	Independent Digital Literacy Test	C	отдел развития цифровых компетенций			2			2A	Online Course	
Major				53,00	2 014	888	172	172	280	264	
Core Professional Block (Major)				47,00	1 786	798	152	154	252	240	
1	Algebra	C	Faculty of Mathematics	12,00	456	208	40	42A	66	60A	
2	Introduction to Homotopical Topology	C	Faculty of Mathematics	5,00	190	60				60A	
3	Introduction to Discrete Mathematics and Topology	C	Faculty of Mathematics	8,00	304	114	32	28A	54A		
4	Geometry and Linear Algebra	C	Faculty of Mathematics	11,00	418	208	40	42A	66	60A	
5	Calculus	C	Faculty of Mathematics	11,00	418	208	40	42A	66	60A	
Elective Professional Block (Major)				6,00	228	90	20	18	28	24	
-				3,00	114	72	16	14	22	20	
1	-	E		3,00	114	72	16	14A	22A	20A	
Тривиум				3,00	114	18	4	4	6	4	
1	Research Seminar "Trivium. Mathematics"	C	Faculty of Mathematics	3,00	114	18	4	4A	6	4A	
English						2				2	
Optional Courses											
1	English Language	O		8,00	304	128	20	28A	40	40A	Foreign language, Credits only to the cumulative rating
Examinations						2				2	
1	English Language Integrative Exam	C	School of Foreign Languages			2				2A	Foreign language
General Courses				7,00	466	264	75	53	68	68	
Optional General Courses				6,00	228	102	38	16	24	24	
1	Russian History	C	School of History	4,00	152	76	12	16A	24	24A	Online Course

2	Foundations of Russian Statehood	C	School of History	2,00	76	26	26A				Online Course
Core General Courses				1,00	238	162	37	37	44	44	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	9	9A			Online Course
2	Physical Training	C	Department of Physical Training		200	144	28	28	44	44A	
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.	11.04.2024
Dean	SKRIPCHENKO A.S.	11.04.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	18.04.2024

* Subject type:

Compulsory course

C

Elective course

E

Optional course

O