



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 01.04.01 Mathematics

Educational Programme "Joint Master's Programme with the Centre of Teaching Excellence"

Trajectories: "Joint Master's Programme with the Centre for Teaching Excellence"

Implementing unit: Faculty of Mathematics, HSE - Moscow

APPROVED

27.05.2022

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Years of Study: 2022/2023 - 2023/2024

Length of Programme: 2 years

Mode of Study: Full Time

Degree: Master's degree / MBA

Block Code	Course	Subject type	Credits	Credits by Years		Planned Educational Programme Development Results
				1	2	
	Degree Programme		120,00	60,00	60,00	
	Joint Master's Programme with the Centre for Teaching Excellence (Applied track)		120,00	60,00	60,00	
	Key Seminars		30,00	18,00	12,00	
	Модуль "Ключевые семинары"		30,00	18,00	12,00	
1	Research Seminar of Master's Programme 1	C	6,00	6,00		GPC-1, GPC-2, PC-2, PC-4, PC-6, PC-7, UC-2, UC-4, UC-6
2	Research Seminar of Master's Programme 2	C	6,00	6,00		GPC-2, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-3, UC-5
3	Research Seminar of Master's Programme 3	C	6,00		6,00	GPC-2, PC-3, PC-4, PC-5, UC-1, UC-3, UC-5
4	Research Seminar of Master's Programme 4	C	3,00		3,00	GPC-2, PC-1, PC-2, PC-5, UC-1, UC-3, UC-5
5	Academic Mentor's Seminar	C	9,00	6,00	3,00	GPC-1, PC-2, PC-4, PC-6, PC-8, UC-1, UC-3, UC-5
	Internship		39,00	15,00	24,00	
	Project Internship		5,00	3,00	2,00	
1	Lesson at the MES according to the Program Mathematical Vertical	C	3,00	3,00		UC-1
2	Mathematical Competitions for Schoolchildren	C	2,00		2,00	UC-1
	Professional Internship		21,00	9,00	12,00	
1	Teaching Internship	C	21,00	9,00	12,00	GPC-1, PC-1, PC-2, PC-3, PC-4, PC-5, UC-1, UC-2, UC-3

	Research Internship		13,00	3,00	10,00	
1	Term Paper	C	3,00	3,00		UC-1
2	Preparation of the Graduate Thesis	C	10,00		10,00	UC-1
	Major		39,00	21,00	18,00	
	Basic Components		21,00	12,00	9,00	
1	The History of Mathematics in the Context of the History of World Culture	C	3,00		3,00	GPC-2, UC-1, UC-2, UC-4
2	Theoretical Basics of the School Mathematics 1	C	6,00	6,00		GPC-2, PC-4, UC-1, UC-2
3	Theoretical Basics of the School Mathematics 2	C	6,00	6,00		GPC-2, PC-4, UC-3, UC-4, UC-5
4	Methodics of Schooling for Mathematics	C	6,00		6,00	GPC-2, UC-1, UC-2, UC-4
	Вариативная часть		9,00	9,00		
1	Applied Statistics	E	6,00	6,00		GPC-2, PC-4, UC-1, UC-3, UC-4
2	Human Development and Education	E	6,00	6,00		GPC-2, PC-4, UC-1, UC-4, UC-5, UC-6
3	-	E	6,00	6,00		PC-4, UC-1
4	Foundations of Algebra and Geometry	E	6,00	6,00		GPC-3, PC-4, UC-1, UC-2
5	Foundations of Algebra and Geometry	E	6,00	6,00		GPC-3, PC-4, UC-1, UC-2
6	Linear Algebra	E	3,00	3,00		GPC-1, PC-4, UC-2, UC-5
7	Linear Algebra	E	3,00	3,00		GPC-2, PC-4, UC-1, UC-2, UC-4, UC-5
	Elective Components (Courses)		9,00		9,00	
1	-	E	9,00		9,00	UC-1
	Magolego		9,00	6,00	3,00	
1	All-university Pool MAGOLEGO Courses	E	9,00	6,00	3,00	GPC-2, UC-1, UC-2, UC-4
	Final State Certification (FSC)		3,00		3,00	
1	Final Qualification Paper	C	3,00		3,00	UC-1

**Curriculum agreed:**

Academic Supervisor BYCHKOVA L.O. 25.05.2022

Dean SKRIPCHENKO A.S. 25.05.2022

Head of Centre for Educational Model Design LEPESHKIN I.A. 26.05.2022

\* Subject type:

Compulsory course C  
Elective course E