



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 01.03.04 Applied Mathematics

Educational Programme "Applied Mathematics"

Implementing unit: Tikhonov Moscow Institute of Electronics and Mathematics, HSE - Moscow

1 st, 2023/2024 academic year

APPROVED

29.05.2023

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 4 years

Years of Study: 2023/2024 - 2026/2027

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				60,00	2 480	1 318	286	234	406	392	
Data Culture						2				2	
1	Independent Digital Literacy Test	C	отдел развития цифровых компетенций			2				2A	Online Course
Major				48,00	1 824	992	168	178	334	312	
Core Professional Block (Major)				39,00	1 482	910	162	170	302	276	
1	Algebra	C	Department of Applied Mathematics	4,00	152	80	40	40A			
2	Algorithmization and Programming	C	Department of Applied Mathematics	6,00	228	130	28	28A	44	30A	
3	Discrete Mathematics	C	Department of Applied Mathematics	4,00	152	80			40	40A	
4	Linear Algebra and Analytical Geometry	C	Department of Applied Mathematics	9,00	342	204	38	46A	60	60A	
5	Calculus	C	Department of Applied Mathematics	11,00	418	280	56	56A	88	80A	
6	Physics	C	School of Electronic Engineering	5,00	190	136			70A	66A	
Elective Professional Block (Major)				9,00	342	82	6	8	32	36	
Дисциплины по выбору ОП				3,00	114	42	6	8	14	14	
1	Computer Practicum 1	C	Department of Applied Mathematics	3,00	114	42	6	8A	14	14A	
Научно-исследовательский/Проектный семинар				6,00	228	40			18	22	
1	Project Seminar	C	Department of Applied Mathematics	3,00	114	24			12	12A	Online Course
2	Career-oriented Seminar "Introduction to Profession"	C	Department of Applied Mathematics	3,00	114	16			6	10A	Online Course
English						2				2	

Optional Courses											
1	English	O		8,00	304	128	20	28A	40	40A	Foreign language, Credits only to the cumulative rating
Examinations											
1	English Language Integrative Exam	C	School of Foreign Languages			2				2A	Foreign language
General Courses											
				10,00	580	318	118	56	72	72	
Optional General Courses											
				9,00	342	156	64	20	36	36	
1	Russian History	C	School of History	4,00	152	72			36	36A	Online Course
2	Foundations of Russian Statehood	C	School of History	2,00	76	54	54A				
3	Legal Literacy	C	департамент права цифровых технологий и биоправа	3,00	114	30	10	20A			Online Course
Core General Courses											
				1,00	238	162	54	36	36	36	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	18A				Online Course
2	Physical Training	C	Department of Physical Training		200	144	36	36	36	36A	
Internship											
				2,00	76	4				4	
Research Internship											
						2				2	
1	Calculus	C				2				2A	
Project Internship											
				2,00	76	2				2	
1	Project (1st)	C		2,00	76	2				2A	

Curriculum agreed:

Academic Supervisor	Presnova A.P.	23.05.2023
Dean	KROUK E.A.	23.05.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	26.05.2023

* Subject type:

Compulsory course
Elective course
Optional course

C
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