

National Research University Higher School of Economics (HSE)

Curriculum

Field of study 01.03.04 Applied Mathematics

Educational Programme "Applied Mathematics"

Specialization: "Applied methods of stochastic analysis",
"Mathematical and computer methods for modern technologies",
"Mathematical modelling, control and information processing"Tikhonov Moscow Institute of Electronics and Mathematics,
HSE - Moscow

1 st, 2021/2022 academic year

APPROVED by
Vice Rector

ROSHCHIN Y.S.

04.05.2021

Length of Programme: 4 years

Years of Study: 2021/2022 - 2024/2025

Mode of Study: Full Time

Degree: Bachelor's degree

Number of Students: 150

Number of Groups: 5

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	2 584	1 315	256	266	407	386	
Data Culture						3			3		
1	Independent Digital Competence Assessment. Digital Literacy	C	центр поддержки и мониторинга образовательных программ			3			3A		
Major				47	1 786	926	158	174	308	286	
Core Professional Block (Major)				44	1 672	910	158	174	302	276	
Subject Areas				44	1 672	910	158	174	302	276	
Natural Sciences and Engineering				7	266	136			70	66	
1	Physics	C	School of Electronic Engineering	7	266	136			70A	66A	
Algebra and Discrete Mathematics				8	304	160	36	44	40	40	
1	Algebra	C	Department of Applied Mathematics	4	152	80	36	44A			
2	Discrete Mathematics	C	Department of Applied Mathematics	4	152	80			40	40A	
Real, Complex and Functional Analysis				13	494	280	56	56	88	80	
1	Calculus	C	Department of Applied Mathematics	13	494	280	56	56A	88	80A	
2	Calculus	C									
Linear Algebra and Analytical Geometry				10	380	204	38	46	60	60	
1	Linear Algebra and Analytical Geometry	C	Department of Applied Mathematics	10	380	204	38	46A	60	60A	
Programming				6	228	130	28	28	44	30	

