



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 01.04.02 Applied Mathematics and Informatics
Educational Programme "Applied Artificial Intelligence Models"

Trajectories: "Applied Artificial Intelligence Models"

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

1 st, 2024/2025 academic year

APPROVED
11.03.2024
Vice Rector
ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 2 years

Years of Study: 2024/2025 - 2025/2026

Mode of Study: Full Time

Degree: Master's degree / MBA

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	2 280	510	98	140	150	122	
Applied Artificial Intelligence Models (Applied track)				60,00	2 280	510	98	140	150	122	
Major				42,00	1 596	440	88	124	128	100	
Дисциплины по выбору студента				6,00	228	80			40	40	
1	Information Retrieval	E	Department of Applied Mathematics	6,00	228	60			32	28A	
2	Stochastic Methods for Engineering Applications	E	Department of Applied Mathematics	6,00	228	80			40	40A	
Обязательные дисциплины программы				36,00	1 368	360	88	124	88	60	
1	Algorithms and Data Structures	C	Department of Applied Mathematics	6,00	228	60			32	28A	
2	Data Analysis	C	Department of Applied Mathematics	6,00	228	60			28	32A	
3	Machine Learning	C	Department of Applied Mathematics	6,00	228	60	28	32A			
4	Neural Networks and Deep Learning	C	Department of Applied Mathematics	6,00	228	60		32	28A		
5	Industrial Programming in Python	C	Department of Applied Mathematics	6,00	228	60	32	28A			
6	Advanced Programming in C++	C	Department of Applied Mathematics	6,00	228	60	28	32A			
Key Seminars				10,00	380	68	10	16	22	20	
1	Applied Artificial Intelligence Models	C	Department of Applied Mathematics	10,00	380	68	10A	16	22A	20A	
Magolego				3,00	114						
1	All-university Pool MAGOLEGO Courses	E		3,00	114						

	Internship			5,00	190	2				2
	Project Internship			5,00	190	2				2
1	Project	C		5,00	190	2				2A

Curriculum agreed:

Academic Supervisor	SLASTNIKOV S.A.	01.03.2024
Dean	KROUK E.A.	01.03.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	06.03.2024

* Subject type:

Compulsory course

C

Elective course

E