



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, 2023/2024 academic year

APPROVED

01.06.2023

Vice Rector  
ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 2 years

Years of Study: 2023/2024 - 2024/2025

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	
<b>Degree Programme</b>				<b>60,00</b>	<b>2 280</b>	<b>510</b>	<b>94</b>	<b>112</b>	<b>158</b>	<b>146</b>	
<b>Applied Artificial Intelligence Models (Applied track)</b>				<b>60,00</b>	<b>2 280</b>	<b>510</b>	<b>94</b>	<b>112</b>	<b>158</b>	<b>146</b>	
<b>Major</b>				<b>42,00</b>	<b>1 596</b>	<b>440</b>	<b>84</b>	<b>96</b>	<b>136</b>	<b>124</b>	
<b>Дисциплины по выбору студента</b>				<b>6,00</b>	<b>228</b>	<b>80</b>			<b>40</b>	<b>40</b>	
1	Stochastic Methods for Engineering Applications	E	Department of Applied Mathematics	6,00	228	80			40	40A	
<b>Обязательные дисциплины программы</b>				<b>36,00</b>	<b>1 368</b>	<b>360</b>	<b>84</b>	<b>96</b>	<b>96</b>	<b>84</b>	
1	Data Analysis	C	Department of Applied Mathematics	6,00	228	60	28	32A			
2	Information Retrieval	C	Department of Applied Mathematics	6,00	228	60			32	28A	
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++	C	Department of Applied Mathematics	6,00	228	60	28	32A			
<b>Key Seminars</b>				<b>10,00</b>	<b>380</b>	<b>68</b>	<b>10</b>	<b>16</b>	<b>22</b>	<b>20</b>	
1	Applied Artificial Intelligence Models	C	Department of Applied Mathematics	10,00	380	68	10A	16	22A	20A	
<b>Magolego</b>				<b>3,00</b>	<b>114</b>						
1	All-university Pool MAGOLEGO Courses	E		3,00	114						
<b>Internship</b>				<b>5,00</b>	<b>190</b>	<b>2</b>				<b>2</b>	
<b>Project Internship</b>				<b>5,00</b>	<b>190</b>	<b>2</b>				<b>2</b>	

1	Project	E		5,00	190	2				2A
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**Curriculum agreed:**

Academic Supervisor	SLASTNIKOV S.A.	29.05.2023
Dean	KROUK E.A.	30.05.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	31.05.2023

\* Subject type:

Compulsory course  
Elective course

C  
E