



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 01.04.02 Applied Mathematics and Informatics

Educational Programme "Financial Technology and Data Analysis"

Trajectories: "Financial Technologies and Data Analysis"

Implementing unit: Faculty of Computer Science, HSE - Moscow
2 nd, 2023/2024 academic year

APPROVED

30.03.2023

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 2 years

Years of Study: 2022/2023 - 2023/2024

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	188	100	72	12	4	
Financial Technologies and Data Analysis (General track)				60,00	2 280	188	100	72	12	4	
Major				15,00	570	140	84	56			
Basic Components				9,00	342	84	56	28			
1	Text Analysis. Generative Models	C	базовая кафедра ПАО Сбербанк "Финансовые технологии и анализ данных"	6,00	228	56	28	28A			
2	Bayesian Methods for Data Analysis	C	базовая кафедра ПАО Сбербанк "Финансовые технологии и анализ данных"	3,00	114	28	28A				Foreign language
Elective Courses. 2 year				6,00	228	56	28	28			
1	Deploying ML Models	E	базовая кафедра ПАО Сбербанк "Финансовые технологии и анализ данных"	6,00	228	56	28	28A			
2	Reinforcement Learning	E	базовая кафедра ПАО Сбербанк "Финансовые технологии и анализ данных"	3,00	114	28		28A			
3	Practical Application of AI Method	E	Базовая кафедра Банка России	3,00	114	28	28A				
4	Recommender Systems	E	базовая кафедра ПАО Сбербанк "Финансовые технологии и анализ данных"	3,00	114	28	28A				
Final State Certification (FSC)				6,00	228	2				2	
1	Final Qualification Paper	C		6,00	228	2				2A	
Key Seminars				9,00	342	44	16	16	12		
1	Mentor's Seminar "Financial Technologies and Data Analysis"	C	Department of Big Data and Information Retrieval	9,00	342	44	16	16	12A		

	Magolego			12,00	456					
1	All-university Pool MAGOLEGO Courses	E		12,00	456					
	Internship			18,00	684	2				2
	Research Internship			18,00	684	2				2
1	Graduation Work	C		18,00	684	2				2

Curriculum agreed:

Academic Supervisor	MASYUTIN A.A.	22.03.2023
Dean	ARZHANTSEV I.V.	22.03.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	29.03.2023

* Subject type:

Compulsory course

C

Elective course

E