



National Research University Higher School of Economics (HSE)

Curriculum
Field of study 01.03.02 Applied Mathematics and Information
Science,
38.03.01 Economics
Educational Programme "Economics and Data Science"
Implementing unit: Faculty of Economic Sciences, HSE -
Moscow
1 st, 2024/2025 academic year

APPROVED

02.05.2024

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 4 years

Years of Study: 2024/2025 - 2027/2028

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	1 104	240	210	346	308	
Data Culture						2			2		
1	Independent Digital Literacy Test	C	отдел развития цифровых компетенций			2			2A		Online Course
Major				55,00	2 090	910	168	182	300	260	
Core Professional Block (Major)				55,00	2 090	910	168	182	300	260	
Microeconomics - 1				7,00	266	120			60	60	
1	Microeconomics-1	E	Department of Theoretical Economics	7,00	266	120			60	60A	
2	Microeconomics-1 (advanced course)	E	Department of Theoretical Economics	7,00	266	120			60	60A	
Compulsory Courses				48,00	1 824	790	168	182	240	200	
1	Algorithms and Data Structures	C	Department of Big Data and Information Retrieval	9,00	342	144		64A		80A	
2	Discrete Mathematics	C	Department of Big Data and Information Retrieval	6,00	228	96	28	28A	40A		
3	Linear Algebra and Geometry	C	Department of Big Data and Information Retrieval	9,00	342	136	28	28A	40	40A	
4	Calculus	C	Department of Big Data and Information Retrieval	9,00	342	164	40	44A	40	40A	
5	C++ Programming Language	C	Joint Department with Yandex	4,00	152	80			80A		
6	Financial Accounting and Reporting	C	Department of Finance	4,00	152	80			40	40A	
7	Economic Thinking	C	Department of Theoretical Economics	3,00	114	34	16	18A			Online Course
8	Python Programming Language	C	Joint Department with Yandex	4,00	152	56	56A				Online Course

	English					2				2	
	Optional Courses										
1	English Language	O		8,00	304	128	20	28A	40	40A	Foreign language, Credits only to the cumulative rating
	Examinations					2				2	
1	English Language Integrative Exam	C	School of Foreign Languages			2				2A	Foreign language
	General Courses			3,00	314	188	72	28	44	44	
	Optional General Courses			2,00	76	26	26				
1	Foundations of Russian Statehood	C	School of History	2,00	76	26	26A				Online Course
	Core General Courses			1,00	238	162	46	28	44	44	
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	28	28	44	44A	
	Internship			2,00	76	2				2	
	Professional Internship			2,00	76	2				2	
1	Computer workshop on economics	C		2,00	76	2				2A	

Curriculum agreed:

Academic Supervisor	SAMONENKO I.Y.	22.04.2024
Dean	PEKARSKIY S.E.	23.04.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	26.04.2024

* Subject type:

Compulsory course
 Elective course
 Optional course

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