



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.03.01 Economics

Educational Programme "Economic Analysis"

Implementing unit: Faculty of Economic Sciences, HSE - Moscow

APPROVED
18.08.2023
Vice Rector
ROSHCHIN S.Y.
Signed with EDS

Years of Study: 2023/2024 - 2026/2027

Length of Programme: 4 years

Mode of Study: Full Time

Degree: Bachelor's degree

Block Code	Course	Subject type	Credits	Credits by Years				Planned Educational Programme Development Results
				1	2	3	4	
	Degree Programme		240,00	60,00	60,00	60,00	60,00	
	Major		160,00	53,00	37,00	40,00	30,00	
	Core Professional Block (Major)		116,00	53,00	31,00	28,00	4,00	
1	Calculus	C	8,00	8,00				GPC-3, PC-2, PC-3, PC-6, PC-7, UC-2, UC-6
2	Linear Algebra	C	6,00	6,00				GPC-3, PC-2, PC-3, PC-6, PC-7, UC-2, UC-6
3	Introduction to Economics	C	6,00	6,00				GPC-1, PC-1, UC-1, UC-3
4	Mathematics for Economists	C	6,00	6,00				GPC-3, PC-2, PC-3, PC-6, PC-7, UC-2, UC-6
5	Microeconomics-1	C	9,00	9,00				GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, UC-1, UC-2, UC-6
6	Financial Accounting and Reporting	C	6,00	6,00				GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, PC-8, UC-1, UC-2, UC-6
7	Macroeconomics 2	C	6,00			6,00		GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
8	Econometrics 1	C	6,00			6,00		GPC-1, GPC-2, GPC-3, GPC-5, GPC-6, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, UC-1, UC-2, UC-6
9	Econometrics - 2	C	6,00			6,00		GPC-1, GPC-2, GPC-3, GPC-5, GPC-6, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, UC-1, UC-2, UC-6
10	Game Theory (offered in a foreign language)	C	5,00			5,00		GPC-1, GPC-3, GPC-5, GPC-6, PC-1, PC-4, PC-7, UC-1, UC-2, UC-3, UC-6, UC-9

11	Machine Learning	C	5,00			5,00		GPC-1, GPC-2, GPC-3, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-15, PC-16, PC-17, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-6
12	Discrete Mathematics	C	6,00	6,00				GPC-3, PC-2, PC-3, PC-6, PC-7, UC-2, UC-6
13	Economic Geography	C	6,00	6,00				GPC-3, PC-1, PC-4, PC-7, PC-9, UC-1, UC-3, UC-9
14	Project Management	C	4,00				4,00	GPC-1, GPC-2, PC-10, PC-11, PC-12, PC-13, PC-14, PC-15, PC-9, UC-1, UC-10, UC-4, UC-6, UC-9
15	Probabilities Theory and Math Statistics 1	C	6,00		6,00			GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6
16	Probability and Statistics 2	C	6,00		6,00			GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6
17	History of Modern Economic Science (offered in a foreign language)	C	3,00		3,00			GPC-1, PC-4, UC-1, UC-11, UC-2, UC-6
18	Microeconomics-2	C	6,00		6,00			GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-6, UC-1, UC-2
19	Institutional Economics	C	3,00		3,00			GPC-1, GPC-2, PC-4, PC-7, PC-9, UC-1, UC-2, UC-6
20	Macroeconomics - 1	C	7,00		7,00			GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
	Elective Professional Block (Major)		44,00		6,00	12,00	26,00	
	Дисциплины по выбору 2 курс		6,00		6,00			
1	Economics of the Firm	E	6,00		6,00			GPC-1, GPC-2, GPC-3, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6
2	Instrumental Methods for Digital Economics	E	6,00		6,00			GPC-1, PC-10, PC-5, PC-6, PC-7, UC-6
	Elective courses 3rd year		12,00			12,00		
	Block 1		6,00			6,00		
1	International Financial Reporting Standards	E	6,00			6,00		GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-6
2	Marketing	E	6,00			6,00		GPC-1, GPC-2, GPC-4, PC-1, PC-14, PC-2, PC-4, PC-5, UC-1, UC-2, UC-4, UC-6
3	Stochastic Processes	E	6,00			6,00		GPC-1, GPC-3, PC-10, PC-3, PC-4, PC-5, PC-6, PC-7, UC-6
	Block 2 (1 of 3)		6,00			6,00		

1	Management Accounting	E	6,00			6,00	GPC-1, GPC-2, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6
2	Behavioral Analysis and Experiments in Market Analytics	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-5, GPC-6, PC-2, PC-3, PC-4, PC-5, PC-9, UC-1, UC-2, UC-4
3	Spatial Economics	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-5, GPC-6, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, PC-9, UC-1, UC-2
4th Year Elective Courses			26,00			26,00	
Block 1			5,00			5,00	
1	Investment Decisions	E	5,00			5,00	GPC-1, GPC-2, PC-1, PC-14, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6
2	Microeconometrics	E	5,00			5,00	GPC-1, GPC-3, GPC-5, GPC-6, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, UC-1, UC-2, UC-6
Block 2			5,00			5,00	
1	Valuation of the Company	E	5,00			5,00	GPC-1, GPC-2, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6
2	Macroeconometrics (offered in a foreign language)	E	5,00			5,00	GPC-1, GPC-2, GPC-3, GPC-5, GPC-6, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, UC-1, UC-2, UC-6
Block 3			10,00			10,00	
1	Financial Modelling	E	5,00			5,00	GPC-3, GPC-5, PC-2, PC-6, PC-7, UC-1, UC-2
2	Risk Management	E	5,00			5,00	GPC-1, GPC-2, PC-1, PC-14, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6
3	Cryptocurrencies and Blockchain Technologies	E	5,00			5,00	GPC-1, GPC-2, PC-10, PC-11, PC-8, PC-9, UC-1, UC-2, UC-4
4	Economic Rationale for Marketing Decisions	E	5,00			5,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-3, UC-9
5	Data Analysis in Business	E	5,00			5,00	GPC-1, GPC-2, GPC-3, GPC-5, PC-15, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2
6	Agent Based Modeling	E	5,00			5,00	GPC-1, GPC-2, PC-1, PC-2, PC-3, UC-1, UC-2
7	Big Data Analysis and Visualization	E	5,00			5,00	GPC-1, GPC-2, GPC-3, GPC-5, GPC-6, PC-15, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2
8	Brand Management in Digital Economy	E	5,00			5,00	GPC-2, GPC-4, PC-1, PC-10, PC-2, PC-5, PC-8, UC-1, UC-2, UC-3, UC-4, UC-5

	Block 4		6,00				6,00	
1	Data Analysis in Insurance	E	3,00				3,00	GPC-1, GPC-2, GPC-5, GPC-6, PC-15, PC-5, PC-6, UC-1, UC-2
2	Banking data analysis	E	3,00				3,00	GPC-1, GPC-2, GPC-5, GPC-6, PC-15, PC-5, PC-6, UC-1, UC-2
3	Financial Risk Analysis and Portfolio Management	E	3,00				3,00	GPC-1, GPC-2, PC-1, PC-14, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6
4	Econometrics and Big Data Analysis in Marketing	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-5, GPC-6, PC-1, PC-2, PC-3, PC-4, PC-5, PC-7, UC-1, UC-2
5	Geodata Analysis	E	3,00				3,00	GPC-1, GPC-3, GPC-5, GPC-6, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, PC-9, UC-1, UC-2
	Internship		33,00		5,00	5,00	23,00	
	Professional Internship							
	Project Internship		15,00		5,00	5,00	5,00	
1	Project	C	5,00		5,00			GPC-1, GPC-2, GPC-3, GPC-4, PC-12, PC-13, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6, UC-8
2	Project	C	5,00			5,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-12, PC-13, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6, UC-8
3	Project	C	5,00				5,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-12, PC-13, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6, UC-8
	Research Internship		18,00				18,00	
1	Preparation of the Final Qualifying Work	C	18,00				18,00	PC-10, PC-12, PC-13, PC-17
	General Courses		14,00	7,00	4,00		3,00	
	Core General Courses		2,00	1,00	1,00			
1	Safe Living Basics	C	1,00	1,00				UC-10, UC-11
2	Physical Training	C	1,00		1,00			UC-7
	Optional General Courses		12,00	6,00	3,00		3,00	
1	Philosophy	C	3,00				3,00	GPC-6, PC-9, UC-2, UC-4, UC-5, UC-6
2	Russian History	C	4,00	4,00				UC-5
3	Foundations of Russian Statehood	C	2,00	2,00				UC-1, UC-10, UC-2, UC-5
4	Legal Literacy	C	3,00		3,00			GPC-4, PC-8, PC-9, UC-1, UC-11, UC-2, UC-4, UC-5, UC-6, UC-8
	Minor		20,00		10,00	10,00		
1	Minor	C	20,00		10,00	10,00		GPC-5, GPC-6, PC-6, PC-8, UC-2, UC-4
	English		1,00				1,00	
	Examinations		1,00				1,00	
1	Independent English Exam (offered in a foreign language)	C						GPC-1, PC-17, UC-3, UC-4
2	Project Proposal (offered in a foreign language)	C	1,00				1,00	GPC-1, PC-10, PC-9, UC-4, UC-5

3	English Language Integrative Exam (offered in a foreign language)	C					GPC-1, PC-17, UC-4
Optional Courses							
1	Academic English Writing (offered in a foreign language)	O	2,00			2,00	GPC-1, PC-10, PC-17, PC-8, PC-9, UC-1, UC-4, UC-5
2	English Language (offered in a foreign language)	O	5,00	5,00			GPC-1, PC-10, PC-17, PC-8, PC-9, UC-1, UC-4, UC-5
3	English Language (offered in a foreign language)	O	8,00		8,00		GPC-1, PC-10, PC-17, PC-8, PC-9, UC-1, UC-4, UC-5
Data Culture							
1	Independent Digital Literacy Test	C					GPC-1, GPC-2, PC-5, PC-6, PC-7, UC-1, UC-2
2	Data Analysis in Python	C	4,00			4,00	GPC-1, GPC-2, GPC-3, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-15, PC-16, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6
3	Python Programming	C	4,00		4,00		GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-11, PC-15, PC-16, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6
4	External Examinations on Digital Skills. Entry-level	C					GPC-1, GPC-2, PC-5, PC-6, UC-1, UC-2
5	External Examinations on Digital Skills. Intermediate Level	C					GPC-1, GPC-2, GPC-3, PC-15, PC-6, PC-7
6	External Examinations on Digital Skills. Final Level	C					GPC-1, GPC-2, PC-5, PC-6, PC-7, UC-1, UC-2
7	Independent Programming Test. Intermediate	C					GPC-1, GPC-2, GPC-3, PC-15, PC-5, PC-6, PC-7, UC-2, UC-3
8	Data Science, AI and Generative Models Independent Test. Intermediate	C	1,00			1,00	GPC-1, GPC-2, PC-5, PC-6, PC-7, UC-1, UC-2
Final State Certification (FSC)							
Thesis Work							
1	Presenting of Graduation Thesis	C	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, GPC-6, UC-1, UC-4
State Examinations							

Curriculum agreed:

Academic Supervisor 16.08.2023

Dean PEKARSKIY S.E. 16.08.2023

Head of Centre for Educational Model Design LEPESHKIN I.A. 17.08.2023

* Subject type:

Compulsory course

C

Elective course

E

Optional course

O