



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.04.01 Economics

Educational Programme "Statistical Analysis in Economics"

Trajectories: "Statistical Analysis in Economics"

Implementing unit: Faculty of Economic Sciences, HSE - Moscow

Years of Study: 2025/2026 - 2026/2027

Length of Programme: 2 years

Mode of Study: Full Time

Degree: Master's degree / MBA

APPROVED

07.05.2025

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Block Code	Course	Subject type	Credits	Credits by Years		Planned Educational Programme Development Results
				1	2	
	Degree Programme		120,00	60,00	60,00	
	Statistical Analysis in Economics (General track)		120,00	60,00	60,00	
	Key Seminars		16,00	7,00	9,00	
1	Mentor's Seminar	C	7,00	4,00	3,00	GPC-1.ECN, GPC-2.ECN, GPC-4.ECN, UC-1, UC-2, UC-3, UC-4, UC-6
2	Methodological Research Seminar	C	9,00	3,00	6,00	GPC-1.ECN, GPC-2.ECN, GPC-4.ECN, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
	Internship		23,00	5,00	18,00	
	Preparation of the Graduate Thesis		10,00		10,00	
1	Preparation of the Graduation Thesis	C	10,00		10,00	GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, PC-1, PC-2, PC-3, UC-3, UC-6
	Fixed		13,00	5,00	8,00	
1	Project	C	5,00	5,00		GPC-3.ECN, GPC-4.ECN, PC-1, PC-2, UC-3, UC-6
2	Project	C	2,00		2,00	GPC-3.ECN, GPC-4.ECN, PC-1, PC-2, UC-3, UC-6
3	Work Experience Internship	C	6,00		6,00	PC-3, PC-6, UC-3
	Major		63,00	42,00	21,00	
	Block 1. Compulsory disciplines		30,00	24,00	6,00	
1	Data Analysis Tools and Software	C	6,00	6,00		GPC-1.ECN, GPC-2.ECN, GPC-4.ECN, PC-1, PC-5, PC-6, UC-1, UC-2, UC-6

2	Methods of Applied Statistics	C	6,00	6,00		GPC-1.ECN, GPC-2.ECN, GPC-4.ECN, PC-1, PC-5, PC-6, UC-1, UC-2, UC-6
3	System of National Accounts - a Tool of Macroeconomic Analysis (Advanced)	C	6,00	6,00		GPC-1.ECN, GPC-2.ECN, PC-1, PC-5, PC-6, UC-3, UC-4, UC-6
4	Applications of Artificial Intelligence (AI) in Economic Analysis	C	6,00		6,00	GPC-1.ECN, GPC-2.ECN, GPC-4.ECN, PC-1, PC-5, PC-6, UC-1, UC-2, UC-6
5	Econometrics (Advanced Level II) (offered in a foreign language)	C	6,00	6,00		GPC-2.ECN, GPC-4.ECN, UC-1, UC-2, UC-3, UC-4, UC-6
	Block 2. Elective Disciplines		33,00	18,00	15,00	
	Elective Courses		21,00	6,00	15,00	
1	Actuarial Calculus -2 (offered in a foreign language)	E	3,00	3,00		GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-1, PC-2, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-6
2	Analysis of Business Cycles and Expectations	E	6,00	6,00		GPC-1.ECN, GPC-2.ECN, PC-1, PC-5, PC-7, UC-1, UC-3, UC-4, UC-6
3	Demographic Analysis and Forecasting	E	3,00	3,00		GPC-1.ECN, GPC-2.ECN, GPC-4.ECN, PC-1, PC-5, PC-7, UC-3, UC-4, UC-6
4	Python Basics for Data Analysis	E	6,00	6,00		GPC-1.ECN, GPC-2.ECN, PC-1, UC-6
5	Theory and Practice of the Sampling Method	E	3,00	3,00		GPC-1.ECN, GPC-2.ECN, PC-1, PC-5, PC-7, UC-3, UC-4, UC-6
6	Actuarial Calculus-2 (offered in a foreign language)	E	3,00		3,00	GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-1, PC-2, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-6
7	Social Development Indicators	E	6,00		6,00	GPC-1.ECN, GPC-2.ECN, PC-1, PC-5, PC-7, UC-3, UC-4, UC-6
8	Financial Accounts and Financial Markets Analysis (offered in a foreign language)	E	6,00		6,00	GPC-1.ECN, GPC-2.ECN, PC-1, PC-5, PC-7, UC-3, UC-4, UC-6
9	Statistical Tools for International Comparative Analysis	E	6,00		6,00	GPC-1.ECN, GPC-2.ECN, PC-3, PC-4, PC-7, UC-3, UC-4
10	Demographic Analysis and Forecasting	E	3,00		3,00	GPC-1.ECN, GPC-2.ECN, GPC-4.ECN, PC-1, PC-5, PC-7, UC-3, UC-4, UC-6
11	Data Mining	E	6,00		6,00	GPC-4.ECN, PC-1, PC-5, PC-7, UC-1, UC-2, UC-6
12	Statistics of Public Sector	E	3,00		3,00	GPC-1.ECN, GPC-2.ECN, PC-1, PC-5, PC-7, UC-3, UC-4, UC-6
13	Introduction to Stochastic Differential Equations and Numerical Probability (offered in a foreign language)	E	3,00		3,00	GPC-2.ECN, UC-1, UC-3, UC-6
14	Introduction to Financial Mathematics (offered in a foreign language)	E	3,00		3,00	GPC-1.ECN, PC-1, UC-1, UC-3, UC-6

15	Quantitative Finance 2 (offered in a foreign language)	E	6,00		6,00	GPC-1.ECN, GPC-2.ECN, PC-5, UC-4
	Advanced Macroeconomics		6,00	6,00		
1	Macroeconomics (Advanced Level) (offered in a foreign language)	E	6,00	6,00		GPC-2.ECN, PC-1, PC-5, UC-1, UC-2, UC-3, UC-4, UC-6
2	Macroeconomics (Advanced Level)	E	6,00	6,00		GPC-2.ECN, PC-1, PC-5, UC-1, UC-2, UC-3, UC-4, UC-6
	Microeconomics (Advanced Level)		6,00	6,00		
1	Microeconomics (Advanced Level) (offered in a foreign language)	E	6,00	6,00		GPC-2.ECN, PC-1, PC-5, UC-1, UC-2, UC-3
2	Microeconomics (Advanced Level)	E	6,00	6,00		GPC-2.ECN, PC-1, PC-5, UC-1, UC-2, UC-3
	Magolego		15,00	6,00	9,00	
1	All-University Pool MAGOLEGO Courses	E	15,00	6,00	9,00	UC-1, UC-3, UC-4
	Final State Certification (FSC)		3,00		3,00	
1	Final Qualification Paper	C	3,00		3,00	GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, PC-1, PC-2, PC-4, PC-5, UC-1, UC-2, UC-3

Curriculum agreed:

Academic Supervisor	Суринов А.Е.	29.04.2025
Dean	PEKARSKIY S.E.	29.04.2025
Head of Centre for Educational Model Design	LEPESHKIN I.A.	06.05.2025

* Subject type:

Compulsory course	C
Elective course	E