



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.03.01 Economics

Educational Programme "Economics and Statistics"

Implementing unit: Faculty of Economic Sciences, HSE - Moscow

APPROVED
30.04.2021
Vice Rector
ROSHCHIN S.Y.
Signed with EDS

Years of Study: 2021/2022 - 2024/2025

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		158,00	46,00	41,00	41,00	30,00	
	Core Professional Block (Major)		101,00	46,00	29,00	26,00		
	Subject Areas		101,00	46,00	29,00	26,00		
	Mathematical Analysis		15,00	15,00				
1	Calculus	C	15,00	15,00				GPC-3, PC-11, PC-3, PC-4, UC-1, UC-2, UC-6
	Linear Algebra		6,00	6,00				
1	Linear Algebra	C	6,00	6,00				GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-3, PC-4, PC-7, UC-1, UC-2, UC-6
	Probability Theory and Mathematical Statistics		23,00	7,00	16,00			
1	Probability Theory	C	7,00	7,00				GPC-2, GPC-3, PC-1, PC-10, PC-11, PC-3, PC-4, PC-5, PC-8, UC-1, UC-2, UC-6
2	Mathematical Statistics	C	6,00		6,00			GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-5, UC-6
3	Multidimensional Statistical Methods	C	6,00		6,00			GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6
4	Statistical Analysis of Non-numerical Information	C	4,00		4,00			GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6

	Microeconomics		19,00	13,00	6,00		
1	Financial Accounting and Reporting	C	6,00	6,00			GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-7, PC-8, UC-1, UC-10, UC-2, UC-4
2	Microeconomics-1	C	7,00	7,00			GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, UC-1, UC-2, UC-5, UC-6, UC-9
3	Microeconomics-2 (offered in a foreign language)	C	6,00		6,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, UC-1, UC-2, UC-4, UC-5, UC-6, UC-9
	Macroeconomics		26,00	5,00	7,00	14,00	
1	Russian Economy-1	C	4,00			4,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-2, UC-4, UC-5, UC-9
2	Economic Statistics	C	4,00			4,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-11, UC-2, UC-4, UC-5, UC-6
3	Macroeconomics-2	C	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-4, UC-5, UC-9
4	Economic Thinking	C	5,00	5,00			PC-10, PC-4, PC-8, UC-1, UC-4, UC-5
5	Macroeconomics 1	C	7,00		7,00		GPC-1, GPC-2, GPC-3, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-4, UC-5, UC-6
	Econometrics		12,00			12,00	
1	Econometrics	C	12,00			12,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6
	Elective Professional Block (Major)		57,00		12,00	15,00	30,00
	Дисциплины по выбору для 2 курса		12,00		12,00		
1	Differential and Difference Equations	E	6,00		6,00		GPC-1, GPC-3, PC-10, PC-11, PC-4, PC-5, UC-2, UC-6
2	Instrumental Methods for Digital Economics	E	6,00		6,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6
3	International Financial Reporting Standards (offered in a foreign language)	E	6,00		6,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-2, UC-4, UC-5, UC-9

4	Financial Markets	E	3,00		3,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-10, UC-2, UC-6, UC-9
5	Financial Institutions and Risks	E	3,00		3,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6, UC-9
6	Private equity and venture capital, funding mechanisms and participants	E	3,00		3,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6, UC-9
7	Essentials of Programming and Database	E	3,00		3,00		GPC-1, GPC-2, GPC-3, PC-1, PC-10, PC-2, PC-3, PC-5, PC-7, UC-1, UC-2, UC-6
8	Demography	E	3,00		3,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-8, UC-1, UC-11, UC-2, UC-4, UC-5, UC-6
9	Economic History	E	3,00		3,00		GPC-1, PC-4, PC-6, UC-1, UC-5, UC-9
Дисциплины по выбору для 3 курса			15,00			15,00	
1	Raising Capital in the Stock Market	E	3,00			3,00	GPC-2, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6, UC-9
2	Dynamic Optimization in Economics and Finance	E	6,00			6,00	GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-3, PC-4, PC-5, UC-4, UC-6, UC-9
3	Corporate Finance (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-6, UC-9
4	International Financial Reporting Standards (offered in a foreign language)	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-2, UC-4, UC-5, UC-6, UC-9
5	Population and Development	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-4, UC-5, UC-6
6	Decision Making in the Problems of Digital Economics under Risk and Uncertainty	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-2, UC-4, UC-6, UC-9
7	Professional Participants in Financial Markets	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-10, UC-6, UC-9

8	Stochastic Processes	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-4, PC-6, UC-1, UC-2, UC-6
9	Insurance and Actuarial Methods	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6, UC-9
10	Game Theory	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-6, UC-9
11	Management Accounting	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6, UC-9
12	Financial Economics (offered in a foreign language)	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-4, UC-6, UC-9
13	Crime and Punishment: Economic and Social Studies of Law Enforcement)	E	6,00			6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-7, PC-8, UC-1, UC-10, UC-11, UC-2, UC-6, UC-9
14	Management Consulting for Applied Business Cases	E	6,00			6,00	GPC-1, PC-10, PC-11, PC-12, PC-6, PC-7, UC-1, UC-2, UC-6
15	Behavioral Economics (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-2, GPC-3, PC-10, PC-2, PC-3, PC-9, UC-1, UC-2, UC-3, UC-6
Дисциплины по выбору для 4 курса			27,00			27,00	
1	Social Statistics	E	5,00			5,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-10, UC-11, UC-2, UC-4, UC-5, UC-6
2	Statistical Modelling of Social and Economic Processes (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
3	Smart Methods for Information Analysis	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6
4	Basics of Auditing the Financial Reports	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4
5	Russian Accounting Standards, its Analysis and Application	E	3,00			3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-2, UC-4

6	Global Demographic Issues	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-4, PC-5, PC-7, UC-1, UC-2, UC-5
7	Human Migration	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-5
8	Actuarial Calculations in Life Insurance	E	5,00				5,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2
9	Data Mining (offered in a foreign language)	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-6
10	Economics of Information (offered in a foreign language)	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-5
11	Models of Financial Markets	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-5
12	Investment Management	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5
13	Derivatives	E	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-10, PC-11, PC-12, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2
	Научно - исследовательские семинары		3,00				3,00	
1	Methodological Research Seminar	C	3,00				3,00	GPC-1, GPC-2, GPC-3, PC-10, PC-4, PC-5, PC-6, PC-8, PC-9, UC-1, UC-2, UC-4, UC-5, UC-6
	Internship		32,00		5,00	5,00	22,00	
	Professional Internship		6,00				6,00	
1	Graduation Internship	C	6,00				6,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6, UC-7, UC-8
	Project Internship		26,00		5,00	5,00	16,00	
1	Preparation of Graduation Thesis	C	14,00				14,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, UC-1, UC-2, UC-4, UC-5, UC-6
2	Project	C	5,00		5,00			GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6

3	Project	C	5,00			5,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
4	Project	C	2,00				2,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-11, PC-12, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
	Research Internship							
	General Courses		14,00	9,00	1,00		4,00	
	Core General Courses		2,00	1,00	1,00			
1	Physical Training	C	1,00		1,00			PC-10, UC-11, UC-3, UC-7, UC-8
2	Safe Living Basics	C	1,00	1,00				GPC-1, PC-10, UC-10, UC-11, UC-2, UC-3, UC-8
	Optional General Courses		12,00	8,00			4,00	
1	Philosophy	C	4,00				4,00	GPC-1, PC-4, UC-1, UC-11, UC-4, UC-5
2	Sociology	C	4,00	4,00				GPC-1, PC-10, PC-4, PC-8, PC-9, UC-1, UC-11, UC-3, UC-4, UC-5
3	Legal Literacy	C	4,00	4,00				GPC-1, PC-10, PC-2, PC-6, UC-10, UC-2, UC-4, UC-5, UC-8
	Minor		20,00		10,00	10,00		
1	Minor	E	20,00		10,00	10,00		GPC-1, GPC-4, PC-10, PC-4, PC-8, UC-6
	English		1,00				1,00	
	Examinations		1,00				1,00	
1	Independent English Exam (offered in a foreign language)	C						GPC-1, PC-10, PC-8, UC-4
2	Project Proposal (offered in a foreign language)	C	1,00				1,00	GPC-1, PC-10, PC-8, UC-4
3	English Language Integrative Exam (offered in a foreign language)	C						GPC-1, PC-10, PC-8, UC-4
	Optional Courses							
1	Academic English Writing (offered in a foreign language)	O	2,00				2,00	GPC-1, PC-10, PC-4, PC-5, PC-8, UC-10, UC-4, UC-5, UC-6
2	English (offered in a foreign language)	O	8,00	8,00				GPC-1, PC-10, PC-8, UC-4, UC-5, UC-6
3	English (offered in a foreign language)	O	6,00		6,00			GPC-1, PC-10, PC-8, UC-4, UC-5, UC-6
	Data Culture		12,00	5,00	3,00	4,00		
	Дисциплины		11,00	5,00	3,00	3,00		
1	Machine Learning in Economics	C	3,00			3,00		GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-10, PC-4, PC-5, PC-7, PC-8, UC-1, UC-2, UC-9
2	Introduction to Statistics and Data Processing Tools	C	5,00	5,00				GPC-1, GPC-3, PC-1, PC-10, PC-3, PC-5, PC-7, UC-1, UC-10, UC-2
3	Programming in Python	C	3,00		3,00			GPC-1, PC-10, PC-3, PC-5, PC-7, UC-2, UC-6
	Examinations		1,00			1,00		

1	Independent Data Science Test. Intermediate	C	1,00			1,00		GPC-1, GPC-3, PC-1, PC-10, PC-3, PC-5, PC-7, UC-1, UC-2
2	Independent Digital Literacy Test	C						GPC-1, GPC-3, PC-1, PC-3, PC-5, PC-7, UC-1, UC-2
3	Independent Programming Test. Intermediate	C						GPC-1, GPC-3, PC-1, PC-10, PC-3, PC-5, PC-7, UC-1, UC-2
	Final State Certification (FSC)		3,00				3,00	
	Thesis Work		3,00				3,00	
1	Presenting of Graduation Thesis	C	3,00				3,00	GPC-1, GPC-4, PC-10, PC-11, PC-12, PC-3, PC-4, PC-8, UC-4
	State Examinations							

Curriculum agreed:

Academic Supervisor	SIROTIN V.P.	28.04.2021
Dean	PEKARSKIY S.E.	28.04.2021
Head of Centre for Educational Model Design	LEPESHKIN I.A.	30.04.2021

* Subject type:

Compulsory course	C
Elective course	E
Optional course	O