

## National Research University Higher School of Economics (HSE)

## Basic Curriculum

Field of study 38.03.01 Economics

Educational Programme "Double degree programme in Economics of the NRU HSE and the University of London"

Specialization: "LSE Track "Accounting and finance"", "LSE Track "Economics and mathematics""

International College of Economics and Finance, HSE - Moscow

APPROVED by  
Vice Rector

ROSHCHIN Y.S.

08.04.2021

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 (competencies according to the educational standard)
				1	2	3	4	
	Degree Programme		240	60	60	60	60	
	Major		168	31	45	48	44	
	Core Professional Block (Major)		82	31	27	24		
	Subject Areas		82	31	27	24		
	Mathematical Analysis		9	9				
1	Calculus	C	9	9				PC-1, UC-6, GPC-3, UC-2, UC-4, PC-3
	Linear Algebra		3		2			
1	Linear Algebra	C	3		3			UC-4, UC-2, UC-6, PC-3, GPC-3, PC-1
	Probability Theory and Mathematical Statistics		23	9	15			
1	Statistics	C	7		7			GPC-2, UC-1, UC-2, GPC-3, UC-6, PC-1, UC-4, PC-3, PC-2
2	Principles of Accounting	C	7		7			GPC-1, PC-3, PC-2, GPC-2, UC-6, PC-4, UC-4, UC-1, UC-2
3	Probability Theory and Statistics	C	9	9				UC-3, UC-4, GPC-3, PC-2, PC-1, UC-2, PC-3, GPC-2, UC-1
	Microeconomics		20	7	5	8		
1	Microeconomics 1	C	5		5			UC-6, GPC-3, UC-4, GPC-1, PC-2, PC-1, UC-1, PC-3, UC-2
2	Microeconomics 2	C	8			8		PC-3, UC-6, UC-2, UC-4, PC-1, PC-2, GPC-1, UC-1, GPC-3
3	Introduction to Microeconomics	C	7	7				UC-1, GPC-1, GPC-3, PC-1, UC-4, PC-2, UC-2
	Macroeconomics		18	6	5	7		
1	Macroeconomics 2	C	7			7		UC-4, UC-2, PC-2, UC-6, GPC-3, GPC-1, PC-1, PC-3, UC-1

2	Introduction to Macroeconomics	C	6	6			PC-1, GPC-3, UC-6, UC-1, GPC-1, PC-2, UC-4, UC-2
3	Macroeconomics 1	C	5		5		UC-1, UC-6, PC-1, GPC-3, UC-2, PC-3, GPC-1, UC-4, PC-2
	Econometrics		9			9	
1	Econometrics	C	9			9	UC-6, GPC-2, UC-1, GPC-1, UC-2, GPC-3, PC-3, PC-1, UC-4
	Elective Professional Block (Major)		86		18	24	44
	Courses of Educational Track "Accounting and Finance"		24			24	
1	Management Accounting	C	8			8	GPC-1, PC-4, UC-1, UC-2, GPC-2, UC-6, UC-4, PC-1
2	Financial Reporting	C	8			8	GPC-1, UC-1, UC-6, GPC-3, PC-4, UC-2, GPC-2, UC-4
3	Asset Pricing and Financial Markets	C	8			8	PC-4, GPC-4, PC-3, GPC-2, UC-6, GPC-1, UC-4, PC-2
	Elective Courses 1-2 Module		4				4
	3rd year courses		4			4	
1	Sociology of Financial Behavior	E	4			4	PC-1, UC-1, UC-5, UC-4, UC-6
2	History of Economic Thought	E	4			4	PC-1, UC-5, UC-6
3	Institutional Economics	E	4			4	UC-6, GPC-1, UC-1, UC-2, PC-1, UC-4, PC-3
4	Data Science for Economics	E	4			4	GPC-3, UC-2, UC-4, PC-3, UC-1, GPC-1, GPC-2, UC-6
5	Theory of Finance	E	4			4	GPC-2, PC-2, GPC-4, UC-4, GPC-1, PC-3, UC-6
	4th year courses		4				4
1	Theory of Finance	E	4			4	UC-6, PC-3, PC-2, GPC-2, GPC-1, UC-4, GPC-4
2	Institutional Economics	E	4			4	PC-3, UC-6, PC-1, UC-1, UC-2, PC-4, UC-4, GPC-1
3	Data Science for Economics	E	4			4	UC-4, GPC-1, PC-3, GPC-2, UC-2, GPC-3, UC-6, UC-1
4	Experimental and Behavioural Economics	E	4			4	UC-1, UC-6, UC-2, GPC-1, PC-3, UC-4, PC-4, PC-1
5	Time Series and Panel Data Analysis	E	4			4	GPC-2, UC-4, UC-1, PC-2, PC-3, PC-1, UC-2, UC-6, GPC-3
	Elective Courses 3-4 Module						
1	Development Economics	E	4			4	UC-4, PC-2, PC-3, UC-6, GPC-1, GPC-2, PC-1
2	Game Theory	E	4			4	GPC-1, UC-6, PC-2, PC-3, UC-4, UC-2
3	Economic History	E	4			4	PC-1, UC-6, UC-5
4	Optimization Theory	E	4			4	PC-3, GPC-2, UC-4, GPC-3, UC-6, GPC-1
5	Topics in Applied Economics	E	4			4	UC-6, GPC-3, GPC-1, UC-4, PC-2

6	Contract Theory	E	4		4	UC-6, GPC-4, PC-1, PC-2, GPC-2, GPC-1, UC-4, PC-4
	Elective Courses 2nd Year (1 out of 2)		8		8	
1	Principles of Banking and Finance	E	8		8	UC-2, PC-1, UC-1, GPC-2, PC-4, GPC-1, UC-6, UC-4, PC-2
2	Business and Management in Global Context	E	8		8	PC-2, PC-1, UC-1, GPC-4, PC-4, UC-2, GPC-2, GPC-1, UC-4
	Elective Courses 1-4 Module					
1	Management Accounting	E	8		8	GPC-1, UC-4, GPC-2, PC-1, PC-4, UC-6, UC-1, UC-2
2	Asset Pricing and Financial Markets	E	8		8	PC-2, GPC-2, GPC-1, GPC-4, PC-3, UC-6, PC-4, UC-4
3	Organization Theory	E	8		8	UC-2, GPC-1, PC-3, UC-4, PC-2, UC-1, GPC-2, UC-6
4	Financial Intermediation	E	8		8	PC-2, UC-1, GPC-2, UC-2, UC-4, GPC-1
5	Financial Reporting	E	8		8	UC-2, GPC-3, UC-6, GPC-1, GPC-2, UC-4, PC-4, UC-1
	Disciplines 4th Year UoL Concentration; 'E', 'E and F', 'E and Manag.', 'Account. And F'		40		40	
1	International Economics	E	10		10	UC-4, UC-1, PC-2, GPC-2, UC-2, UC-6, PC-1, PC-4, PC-3
2	Quantitative Finance	E	10		10	GPC-2, UC-1, PC-3, UC-2, PC-2, GPC-3, PC-1, UC-6, UC-4
3	Investment Portfolio Management	E	10		10	PC-1, UC-1, GPC-1, GPC-4, UC-4, GPC-2, UC-6, PC-4, UC-2, PC-2
4	Core Management Concepts	E	10		10	GPC-2, PC-2, GPC-1, UC-4, PC-1, UC-1, UC-2, GPC-4
5	Machine Learning	E	10		10	PC-3, UC-6, UC-4, UC-2, UC-1, GPC-1, GPC-3, GPC-2, PC-4
6	Monetary Economics	E	10		10	UC-1, UC-6, PC-4, GPC-2, PC-2, UC-4, UC-2, PC-1
7	Auditing and Assurance	E	10		10	GPC-2, GPC-1, UC-1, UC-4, UC-6, PC-4, PC-1, UC-2, PC-2
8	Industrial Economics	E	10		10	UC-2, GPC-2, PC-1, PC-2, UC-4, UC-6, GPC-1, PC-4, UC-1, PC-3
	Courses of Educational Track "Economics and Mathematics"					
	Core Courses		30		20	10
1	Abstract Mathematics	C	8		8	PC-2, UC-6, UC-3, PC-1, UC-4, GPC-3, UC-2
2	Game Theory	C	4		4	GPC-1, UC-2, PC-2, UC-6, PC-3, UC-4
3	Further Linear Algebra	C	4		4	UC-4, GPC-3, PC-1, UC-2, UC-6, PC-2
4	Further Calculus	C	4		4	GPC-3, PC-1, UC-4, UC-6, UC-2, PC-2
5	Mathematics of Finance and Valuation	C	5		5	UC-6, PC-1, UC-2, GPC-3, UC-1, UC-4, PC-3, GPC-2, PC-4, PC-2

6	Optimization Theory	C	5				5	UC-1, PC-1, UC-4, UC-6, UC-2, GPC-2, GPC-3, PC-2
	Elective Courses UoL (3 out of 4)		30				30	
1	International Economics	E	10				10	UC-1, PC-1, PC-3, PC-4, PC-2, GPC-2, UC-6, UC-4, UC-2
2	Machine Learning	E	10				10	GPC-3, PC-3, PC-4, UC-1, GPC-1, UC-2, GPC-2, UC-4, UC-6
3	Monetary Economics	E	10				10	GPC-2, PC-4, PC-2, PC-1, UC-1, UC-6, UC-4, UC-2
4	Industrial Economics	E	10				10	UC-4, UC-1, PC-2, GPC-2, PC-4, PC-3, UC-6, GPC-1, PC-1, UC-2
	Elective Parts 2nd Year		10		10			
	Disciplines Concentration 'Economics', 'Economics and Finance', 'Economics and Management', 'Banking and Finance', 'Accounting and Finance'		10		10			
1	Mathematics for Economists	C	10		10			PC-1, UC-4, UC-2, PC-3, UC-6, GPC-3
	Courses of Educational Track "Economics and Mathematics"		10		10			
1	Mathematical Methods for Economists	C	10		10			PC-1, UC-4, GPC-3, PC-3, UC-6, UC-2
	Examination weeks, International Programme							
1	Examination Session	C						
	Internship		30		5	12	13	
	Professional Internship		17		5	12		
1	Work Experience Internship	C	7			7		GPC-2, PC-4, PC-2, UC-4, GPC-1, GPC-4, UC-6, PC-3, GPC-3, PC-1
2	Курсовая работа 3 курса	C	5			5		GPC-1, GPC-3, PC-3, GPC-2, UC-6, PC-4, UC-2, PC-1, PC-2, UC-4, UC-1
3	Курсовая работа 2 курса	C	5		5			UC-2, PC-3, GPC-1, GPC-2, PC-2, GPC-3, PC-4, UC-6, UC-4, PC-1, UC-1
	Project Internship		7				7	
1	Preparation of Graduation Thesis	C	7				7	PC-3, UC-3, UC-4, GPC-1, PC-4, UC-2, PC-1, GPC-4, GPC-3, PC-2, UC-1, GPC-2
	Research Internship		6				6	
1	Научно-исследовательская работа	C	6				6	GPC-3, GPC-1, PC-4, PC-3, GPC-2, UC-4, UC-2, UC-1, UC-6
	General Courses		14	7	7			
	Core General Courses		2	1	1			
1	Physical Training	C	1		1			UC-7
2	Safe Living Basics	C	1	1				UC-8
	Optional General Courses		12	6	6			
	Elective Courses		6	6				
1	History of Western Philosophy	E	6	6				UC-1, PC-1, UC-2, UC-5, UC-4, UC-6
2	World Intellectual History	E	6	6				PC-1, UC-5, UC-1, UC-4, UC-2, UC-6
	Elective Courses		3		3			

1	Contemporary Sociology in Global Age 2	E	3		3		PC-1, UC-1, UC-5, UC-6, UC-4
2	Political Science	E	3		3		UC-6, PC-1, UC-1, UC-5, UC-4
3	Principles of Law	E	3		3		UC-1, UC-5, UC-6, PC-1, UC-4
Elective Courses 1-2 Module			3		3		
1	Contemporary Sociology in Global Age 1	E	3		3		UC-5, PC-1, UC-6, UC-1, UC-4
2	Philosophy and Methodology of Science	E	3		3		UC-4, UC-6, PC-1, UC-1, UC-5
Minor			21	18	3		
1	English Language	C	18	18			UC-3, UC-6, UC-4
2	English: Extended Essay Writing and Making Presentations	C	3		3		UC-3, UC-4, PC-3, UC-6
Data Culture			4	4			
Elective Courses (1 out of 3)			4	4			
1	Information Computer Systems	E	4	4			PC-3, UC-6, GPC-1, UC-1, GPC-2, UC-2, UC-4
2	Programming and Databases	E	4	4			GPC-2, UC-2, GPC-1, UC-4, PC-3, UC-6, GPC-3, UC-1
3	Programming and Data Processing	E	4	4			UC-1, PC-3, UC-2, UC-6, GPC-3, UC-4, GPC-1, GPC-2
Final State Certification (FSC)			3			3	
Thesis Work			3			3	
1	Presenting of Graduation Thesis	C	3				UC-4, GPC-4, UC-1, PC-2, UC-6, GPC-1, PC-1, GPC-2, PC-3, GPC-3, PC-4, UC-2, UC-3

Academic Supervisor

ZAMKOV O.O.

26.03.2021

Dean

YAKOVLEV S.M.

26.03.2021

Head of Degree Programmes  
Development Office

MAMONOVA M.A.

07.04.2021

\* Subject type:

Compulsory course

C

Elective course

E