



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.03.01 Economics
Educational Programme "Economics"

Specializations: "Business economics", "Economics and Mathematics"

Implementing unit: St. Petersburg School of Economics and Management, HSE, HSE - Saint Petersburg

Years of Study: 2021/2022 - 2024/2025

Length of Programme: 4 years

Mode of Study: Full Time

Degree: Bachelor's degree

APPROVED
01.06.2021
Vice Rector
ROSHCHIN S.Y.
Signed with EDS

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		163,00	41,00	45,00	45,00	32,00	
	Core Professional Block (Major)		61,00	32,00	14,00	15,00		
	Subject Areas		61,00	32,00	14,00	15,00		
	Mathematical Analysis		15,00	15,00				
1	Mathematics.Mathematical Analysis I	E	7,00	7,00				PC-3, UC-1
2	Mathematics.Mathematical Analysis II	E	8,00	8,00				PC-3, UC-1
3	Mathematics.Mathematical Analysis I (offered in a foreign language)	E	7,00	7,00				PC-3, UC-1
4	Mathematics.Mathematical Analysis II (offered in a foreign language)	E	8,00	8,00				PC-3, UC-1
	Linear Algebra		6,00	6,00				
1	Linear Algebra	E	6,00	6,00				PC-3, UC-1
2	Linear Algebra (offered in a foreign language)	E	6,00	6,00				PC-3, UC-1
	Probability Theory and Mathematical Statistics		6,00		6,00			
1	Probability Theory and Mathematical Statistics	E	6,00		6,00			PC-3, UC-1
2	Probability Theory and Mathematical Statistics (offered in a foreign language)	E	6,00		6,00			PC-3, UC-1
3	Probability Theory and Mathematical Statistics	E	6,00		6,00			PC-3, UC-1
	Microeconomics		13,00	5,00	8,00			
1	Microeconomics I	E	5,00	5,00				GPC-3, PC-1, UC-1
2	Microeconomics I (offered in a foreign language)	E	5,00	5,00				GPC-3, PC-1, UC-1
3	Microeconomics II (offered in a foreign language)	E	4,00		4,00			GPC-3, PC-1, PC-2, UC-1
4	Microeconomics III (offered in a foreign language)	C	3,00		3,00			GPC-3, PC-1, PC-2, UC-1
5	Microeconomics II (offered in a foreign language)	E	4,00		4,00			GPC-3, PC-1, PC-2, UC-1

	Macroeconomics		14,00	6,00		8,00	
1	Macroeconomics I	E	6,00	6,00			GPC-3, PC-1, UC-1
2	Macroeconomics II (offered in a foreign language)	C	8,00			8,00	GPC-3, PC-1, PC-2, UC-1
3	Macroeconomics I (offered in a foreign language)	E	6,00	6,00			GPC-3, PC-1, UC-1
	Econometrics		7,00			7,00	
1	Econometrics I (offered in a foreign language)	E	7,00			7,00	GPC-2, GPC-3, PC-1, PC-2
2	Econometrics I	E	7,00			7,00	GPC-2, GPC-3, PC-1, PC-2
	Elective Professional Block (Major)		102,00	9,00	31,00	30,00	32,00
	НИС		8,00			3,00	5,00
1	Research Seminar I	C	3,00			3,00	GPC-1, PC-1, PC-5
2	Research Seminar II	C	5,00				5,00 GPC-1, GPC-3, PC-5
	Дисциплины по выбору (3 курс)		3,00			3,00	
1	International trade and international trade policy (offered in a foreign language)	E	3,00			3,00	GPC-4, PC-1, PC-4
2	Policy Evaluation (offered in a foreign language)	E	3,00			3,00	GPC-4, PC-1, PC-4
3	Management Accounting (offered in a foreign language)	E	3,00			3,00	GPC-4, PC-6
4	Business Analysis Cases (offered in a foreign language)	E	3,00			3,00	GPC-1, GPC-3, PC-3
5	Housing Economics	E	3,00			3,00	GPC-4, PC-1
6	Machine Learning in Economics	E	3,00			3,00	GPC-3, PC-2, PC-3
7	Organization of the accounting process in 1C	E	3,00			3,00	GPC-1, PC-3, PC-6
8	SQL for Data Analysis I	E	3,00			3,00	GPC-3, PC-3
9	Dynamic problem solving in economics and business (offered in a foreign language)	E	3,00			3,00	GPC-2, GPC-3, PC-1, UC-1
	Обязательные дисциплины профессионального вариативного модуля		28,00	3,00	22,00	3,00	
1	Time Series	C	3,00			3,00	GPC-2, GPC-3, PC-2, PC-3
2	Project seminar "Modeling and optimization of the company's strategic profit"	C	2,00		2,00		GPC-2, GPC-4, UC-3
3	Economic Statistics	E	3,00	3,00			GPC-2, PC-1
4	Game Theory	E	5,00		5,00		PC-3, UC-1, UC-2
5	Methods of Optimization	E	4,00		4,00		PC-3, UC-1
6	Economic Statistics (offered in a foreign language)	E	3,00	3,00			GPC-1, GPC-2
7	Game Theory (offered in a foreign language)	E	5,00		5,00		PC-3, UC-1, UC-2
8	Methods of Optimization (offered in a foreign language)	E	4,00		4,00		PC-3, UC-1
9	Applied Statistics (offered in a foreign language)	E	3,00		3,00		GPC-2, GPC-3, PC-3
10	Accounting	E	3,00		3,00		GPC-1, PC-6
11	Accounting (offered in a foreign language)	E	3,00		3,00		GPC-1, PC-6
12	Theory of Finance	E	3,00		3,00		GPC-1, PC-6
13	Economics of the Firm	E	3,00		3,00		PC-1, UC-1
14	Economics of the Firm (offered in a foreign language)	E	3,00		3,00		PC-1, UC-1
15	Theory of Finance (offered in a foreign language)	E	3,00		3,00		GPC-1, PC-6

16	Applied Statistics	E	3,00		3,00		GPC-2, GPC-3, PC-3
17	Game Theory	E	5,00		5,00		PC-3, UC-1, UC-2
	Дисциплины по выбору (1 курс)		3,00	3,00			
1	Business Law	E	3,00	3,00			GPC-4, UC-2
2	Foundations of Mathematical Research	E	3,00	3,00			PC-3, UC-1
3	Discrete Mathematics for Economists	E	3,00	3,00			PC-3, UC-1
4	Economic History (offered in a foreign language)	E	3,00	3,00			GPC-4, UC-5
5	Management (offered in a foreign language)	C	3,00	3,00			UC-1, UC-2, UC-3
	Дисциплины по выбору (4 курс)		3,00			3,00	
1	Faculty Pool Discipline	E	3,00			3,00	GPC-1, GPC-3, GPC-4
	Специализации		45,00			21,00	24,00
	Специализация "Экономика и математика"		45,00			21,00	24,00
1	Modern tools and technologies in economic applications	C	3,00			3,00	PC-1, PC-2, PC-4
2	Empirical Industrial Markets (offered in a foreign language)	C	7,00				7,00
3	Industrial Organization Theory	C	6,00			6,00	PC-2, PC-3
4	Principles of Digital Economics (offered in a foreign language)	C	3,00				3,00
5	Panel Data (offered in a foreign language)	C	3,00			3,00	GPC-3, PC-2, PC-3
6	Behavioral and Experimental Economics (offered in a foreign language)	C	3,00			3,00	GPC-2, PC-2, PC-4
7	Two-Sided Markets (offered in a foreign language)	C	4,00				4,00
8	Theory of finance-II (offered in a foreign language)	C	6,00			6,00	PC-2, PC-3
9	Mechanism Design (offered in a foreign language)	C	4,00				4,00
10	Strategic finance and risks (offered in a foreign language)	C	6,00				6,00
	Специализация "Бизнес-экономика"		45,00			21,00	24,00
1	Corporate Finance (offered in a foreign language)	C	6,00			6,00	GPC-1, PC-1, PC-6
2	Analysis and visualization of economic data in BI systems	C	3,00			3,00	GPC-3, PC-3
3	Circular economy	C	3,00			3,00	GPC-4, PC-4, PC-6
4	Financial Markets Analysis	C	4,00				4,00
5	Financial Analysis	C	3,00			3,00	GPC-3, PC-5, PC-6
6	Information system in economics and business	C	7,00				7,00
7	Enterprise management in a competitive environment	C	3,00				3,00
8	Corporate Governance (offered in a foreign language)	C	6,00				6,00
9	Marketing	C	3,00			3,00	GPC-4, PC-4
10	Assets Evaluation and Investment Analyses (offered in a foreign language)	C	4,00				4,00
11	Labour Economics (offered in a foreign language)	C	3,00			3,00	GPC-4, PC-6
	Блок дисциплин по выбору (2 курс)		6,00			6,00	

1	block of elective disciplines (2 course)	E	6,00		6,00			UC-1, UC-3, UC-9
	НИС (2 курс)		3,00		3,00			
1	Research Seminar "Tools for Mathematics: Applications in Economics"	E	3,00		3,00			PC-3, PC-5, UC-3
2	Research Seminar "Managerial Economics" (offered in a foreign language)	E	3,00		3,00			PC-3, PC-6, UC-3
3	Research Seminar "Finance" (offered in a foreign language)	E	3,00		3,00			PC-3, PC-6, UC-3
4	Research Seminar "Optimization of Logistic Processes"	E	3,00		3,00			PC-3, PC-6, UC-3
	НИС (1 курс)		3,00	3,00				
1	Algebra and Pre-Calculus: Introductory Course (Low Level) (offered in a foreign language)	E	3,00	3,00				PC-3, UC-1
2	Algebra and Pre-Calculus: Introductory Course (Low Level)	E	3,00	3,00				PC-3, UC-1
3	Algebra and Pre-Calculus: Introductory Course (Advanced Level)	E	3,00	3,00				PC-3, UC-1
	Internship		30,00		2,00	4,00	24,00	
	Professional Internship		10,00				10,00	
1	Work Experience Internship	C	10,00				10,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-4
	Project Internship		2,00		2,00			
1	Course Project	C	2,00		2,00			GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-3, PC-4, UC-2, UC-3, UC-4, UC-6
	Research Internship		18,00			4,00	14,00	
1	Term paper	C	4,00			4,00		GPC-2, PC-1, PC-3, PC-5
2	Preparation of Graduation Thesis	C	14,00				14,00	GPC-3, PC-1, PC-3, PC-5
	General Courses		14,00	14,00				
	Core General Courses		2,00	2,00				
1	Safe Living Basics (offered in a foreign language)	C	1,00	1,00				UC-8
2	Physical Training (offered in a foreign language)	C	1,00	1,00				UC-7
	Optional General Courses		12,00	12,00				
1	Philosophy (offered in a foreign language)	E	4,00	4,00				UC-1, UC-3, UC-5, UC-6
2	Philosophy	E	4,00	4,00				UC-1, UC-3, UC-5, UC-6
3	Sociology (offered in a foreign language)	E	4,00	4,00				UC-11, UC-3, UC-4, UC-5
4	Sociology	E	4,00	4,00				UC-11, UC-3, UC-4, UC-5
5	Legal Literacy	E	4,00	4,00				UC-1, UC-10, UC-11, UC-2
6	Law (offered in a foreign language)	E	4,00	4,00				UC-1, UC-10, UC-11, UC-2
	Minor		20,00		10,00	10,00		
1	Minor	E	20,00		10,00	10,00		UC-1, UC-3, UC-5, UC-6
	English		1,00				1,00	
	Examinations		1,00				1,00	
1	Independent English Exam (offered in a foreign language)	C						UC-4

2	Project Proposal	C	1,00				1,00	UC-4
3	English Language Integrative Exam	C						UC-4
Optional Courses								
1	Academic English Writing	O	2,00				2,00	UC-4, UC-6
2	English	O	14,00	8,00	6,00			UC-3, UC-4
Data Culture								
1	Independent Data Science Test. Intermediate	E	1,00				1,00	PC-3
2	Independent Data Science Test. Intermediate (offered in a foreign language)	E	1,00				1,00	PC-3
3	Introduction to Python for Data Science	E	3,00		3,00			GPC-1, GPC-2, GPC-3, PC-3
4	Digital Literacy	C	5,00	5,00				GPC-1, PC-3
5	Digital Literacy (offered in a foreign language)	C	5,00	5,00				GPC-1, PC-3
6	Independent Digital Literacy Test	E						PC-3
7	Independent Digital Literacy Test (offered in a foreign language)	E						PC-3
8	Introduction to Python for Data Science (offered in a foreign language)	E	3,00		3,00			GPC-1, GPC-2, GPC-3, PC-3
9	Independent Programming Test. Intermediate	E						PC-3
10	Independent Programming Test. Intermediate (offered in a foreign language)	E						PC-3
Final State Certification (FSC)								
Thesis Work								
1	Presenting of Graduation Thesis	C	3,00				3,00	GPC-1, GPC-2, GPC-3, GPC-4, PC-1, PC-2, PC-3, PC-4, PC-5, PC-6, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6, UC-7

Curriculum agreed:

Academic Supervisor	ALEKSEEVA T.A.	11.05.2021
Dean	KATKALO V.S.	11.05.2021
Deputy Director	KUZMIN P.V.	11.05.2021
Head of Centre for Educational Model Design	LEPESHKIN I.A.	31.05.2021

* Subject type:

Compulsory course	C
Elective course	E
Optional course	O