



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.04.01 Economics,  
38.04.02 Management

Educational Programme "Business Analytics in Economics and Management"

Trajectories: "Business-analytics in Economics and Management"

Implementing unit: Faculty of Economics, HSE - Nizhny Novgorod

Years of Study: 2022/2023 - 2023/2024

Length of Programme: 2 years

Mode of Study: Full Time

Degree: Master's degree / MBA

APPROVED

04.05.2022

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	
	Business-analytics in Economics and Management (General track)		120,00	60,00	60,00	
	Key Seminars		16,00	12,00	4,00	
	Научно-исследовательские семинары 1 курс		3,00	3,00		
1	Research Seminar "Instrumental Methods for Analyzing Economics and Business"	E	3,00	3,00		GPC-3.ECN, GPC-5.MAN, PC-1, PC-16, UC-1
2	Research Seminar "Applied Aspects of Business Analytics in Economics and Management"	E	3,00	3,00		GPC-3.ECN, GPC-5.MAN, PC-1, PC-16, UC-1
	Mentor's Seminar		4,00	3,00	1,00	
1	Mentor's Seminar	C	4,00	3,00	1,00	UC-1, UC-6
	Проектный семинар		6,00	6,00		
1	Project Seminar	C	6,00	6,00		GPC-4.MAN, PC-12, PC-3, UC-2, UC-3, UC-4
	Научно-исследовательский семинар 2 курс		3,00		3,00	
1	Research seminar "Modern methods of quantitative analysis"	C	3,00		3,00	GPC-3.ECN, GPC-5.MAN, PC-1, PC-16, PC-2, UC-1
	Internship		20,00	3,00	17,00	
	Project Internship		3,00	3,00		
1	-	C	3,00	3,00		GPC-3.MAN, GPC-4.ECN, UC-3
	Research Internship		17,00		17,00	

1	-	C	17,00		17,00	GPC-1.ECN, GPC-2.ECN, GPC-3.ECN, GPC-4.ECN, GPC-5.ECN, PC-1, PC-10, PC-11, PC-13, PC-15, PC-16, PC-4, PC-5, PC-6, PC-7, UC-1, UC-4, UC-6
	Major		66,00	39,00	27,00	
	Core Courses		21,00	21,00		
1	Competitiveness of Russian Companies and Industries	C	3,00	3,00		GPC-3.MAN, GPC-4.ECN, PC-10, PC-5, UC-6
2	Business Analytics for High-Tech Industries	C	3,00	3,00		GPC-1.ECN, PC-1, PC-12, PC-8, UC-6
3	Python for data analysis in economics and management (offered in a foreign language)	C	3,00	3,00		GPC-2.ECN, GPC-5.ECN, PC-16, PC-6, UC-6
4	Applied Econometrics	C	6,00	6,00		GPC-2.ECN, GPC-5.ECN, PC-16, PC-6, PC-7, UC-6
5	Modeling of business functions and business processes and their automation	C	6,00	6,00		GPC-4.ECN, PC-5, PC-8, PC-9, UC-2, UC-3
	Elective Courses		6,00	6,00		
1	Risk Management and Insurance Models	E	3,00	3,00		GPC-2.ECN, GPC-5.ECN, PC-16, PC-4, UC-6
2	Data analysis and visualization using the R language	E	3,00	3,00		GPC-2.ECN, GPC-5.ECN, PC-16, PC-6, UC-6
3	Data Analytics in Excel	E	3,00	3,00		GPC-2.ECN, GPC-5.ECN, PC-16, PC-6, UC-6
4	SQL for data analysis	E	3,00	3,00		GPC-2.ECN, GPC-5.ECN, PC-16, PC-6, UC-6
	Elective Courses		12,00	12,00		
1	Economic Growth Management	E	6,00	6,00		GPC-1.ECN, PC-15, PC-4, PC-5, PC-8, UC-6
2	Microeconomics (Advanced Level)	E	6,00	6,00		GPC-1.ECN, PC-15, PC-4, PC-5, PC-8, UC-6
3	Managerial Economics	E	6,00	6,00		GPC-1.ECN, PC-15, PC-4, PC-5, PC-8, UC-6
	1		15,00		15,00	
1	Strategic analysis of companies, regions and industries	C	6,00		6,00	GPC-1.MAN, GPC-4.ECN, PC-11, PC-13, PC-5, UC-5
2	Experiments in Economics: Design and Empirical Analysis	C	3,00		3,00	GPC-2.ECN, GPC-5.ECN, PC-16, PC-6, UC-6
3	Product Analytics (offered in a foreign language)	C	6,00		6,00	GPC-3.MAN, GPC-4.ECN, PC-15, PC-6, UC-6
	Elective Courses		12,00		12,00	
1	Managerial Accounting and Budgeting	E	6,00		6,00	GPC-1.MAN, GPC-4.ECN, PC-14, PC-15, PC-8, UC-6
2	Machine learning in economics and business	E	6,00		6,00	GPC-2.ECN, GPC-5.ECN, PC-16, PC-6, UC-6

3	Leadership and Project Team Management	E	6,00		6,00	GPC-4.ECN, PC-13, PC-14, PC-3, UC-6
	Magolego		15,00	6,00	9,00	
1	All-university Pool MAGOLEGO Courses	E	15,00	6,00	9,00	UC-6
	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, GPC-5.ECN, 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-3, UC-4, UC-5, UC-6

**Curriculum agreed:**

Academic Supervisor	LEONOVA L.A.	25.04.2022
Dean	SHTEFAN M.A.	26.04.2022
Deputy Director	FOMENKOV D.A.	26.04.2022
Head of Centre for Educational Model Design	LEPESHKIN I.A.	29.04.2022

\* Subject type:

Compulsory course	C
Elective course	E