



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.04.05 Business Informatics  
 Educational Programme "Business Informatics"  
 Trajectories: "Agile Organization Architecture"

Implementing unit: Faculty of Informatics, Mathematics and Computer Sciences, HSE - Nizhny Novgorod

Years of Study: 2023/2024 - 2024/2025

Length of Programme: 2 years

Mode of Study: Full Time

Degree: Master's degree / MBA

APPROVED  
 12.05.2023  
 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	
	Agile Organization Architecture (Research track)		120,00	60,00	60,00	
	Key Seminars		15,00	4,00	11,00	
1	Mentor's Seminar	C	15,00	4,00	11,00	GPC-5.BUI, PC-2, PC-3, UC-1
	Internship		27,00	5,00	22,00	
	Research Internship		27,00	5,00	22,00	
1	Work Experience Internship	C	4,00		4,00	GPC-4.BUI, GPC-5.BUI, UC-4, UC-6
2	Preparation of the Final Qualification Work	C	18,00		18,00	GPC-5.BUI, PC-1, PC-3, PC-4, UC-4
3	Term Paper	C	5,00	5,00		GPC-1.BUI, GPC-2.BUI, GPC-5.BUI, PC-1, PC-2, PC-3, PC-4, PC-6, UC-1
	Major		66,00	42,00	24,00	
	Elective Professional Block (Major)		48,00	24,00	24,00	
1	Business and Organizational Agility	C	3,00		3,00	GPC-1.BUI, GPC-2.BUI, GPC-3.BUI, PC-1, PC-2, PC-3, PC-4, PC-6, UC-1, UC-3, UC-5
2	Payment systems. Introduction to Cryptocurrencies and Distributed Registry Technologies	C	6,00		6,00	GPC-2.BUI, PC-4, UC-1
3	Enterprise Architecture Perfecting (offered in a foreign language)	C	3,00		3,00	GPC-1.BUI, UC-1
4	Theory and Practice of Domain-Specific Languages	C	3,00		3,00	GPC-1.BUI, GPC-3.BUI, PC-5, PC-6, UC-1
5	Management and Modeling in Decision Support Information Systems	C	3,00		3,00	GPC-1.BUI, UC-1

6	Formal Methods of Model Validation and Verification	C	3,00		3,00	GPC-1.BUI, PC-6, UC-1
7	Digital Transformation of Industrial Enterprises	C	3,00		3,00	GPC-3.BUI, UC-1
8	Conceptual Modelling	C	3,00	3,00		GPC-5.BUI, PC-1, PC-4, UC-4
9	Enterprise Architecture	C	3,00	3,00		GPC-1.BUI, PC-1, PC-4, UC-1, UC-3
10	Information Technologies in Decision Support Information Systems	C	3,00	3,00		GPC-5.BUI, PC-4, UC-3, UC-4
11	Building the Enterprise's IT Infrastructure	C	3,00	3,00		PC-4
12	Enterprise Architecture (Advanced Level)	C	3,00	3,00		GPC-1.BUI, PC-6, UC-1, UC-2, UC-3
13	Conceptual Modeling: Information Technologies	C	3,00	3,00		GPC-5.BUI, PC-6, UC-3, UC-4
14	System Analysis and Design: Archetypes of Systems	C	3,00	3,00		GPC-2.BUI, PC-6, UC-1
15	Practice of Systems Engineering	C	3,00	3,00		GPC-2.BUI, GPC-4.BUI, PC-4, UC-2, UC-4
Core Professional Block (Major)			18,00	18,00		
1	Strategic Management (offered in a foreign language)	C	3,00	3,00		GPC-1.BUI, GPC-3.BUI, PC-4, UC-2, UC-3
2	Economic and Mathematic Modeling	C	3,00	3,00		GPC-5.BUI, PC-4, UC-1
3	System Analysis and Organization Design	C	3,00	3,00		GPC-2.BUI, PC-4, UC-1
4	Introduction to Business Informatics	C	3,00	3,00		GPC-1.BUI, PC-4, UC-1
5	Modern Information Technologies for Building IT Infrastructure	C	3,00	3,00		GPC-2.BUI, GPC-3.BUI, GPC-5.BUI, PC-4, UC-6
6	Business Rhetoric and Communication (offered in a foreign language)	C	3,00	3,00		GPC-4.BUI, PC-4, PC-5, UC-4, UC-5
Magolego			9,00	9,00		
1	All-university Pool MAGOLEGO Courses	E	9,00	9,00		PC-1, PC-2, UC-6
Final State Certification (FSC)			3,00		3,00	
1	Final Qualification Paper	C	3,00		3,00	GPC-5.BUI, PC-1, PC-3, PC-4, UC-4

**Curriculum agreed:**

Academic Supervisor	BAEVSKIY O.A.	28.04.2023
Dean	ASEEVA N.V.	03.05.2023
Deputy Director	FOMENKOV D.A.	04.05.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	04.05.2023

\* Subject type:

Compulsory course

C

Elective course

E