National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.03.05 Business Informatics
Educational Programme "Management and Digital Innovation"
Implementing unit: Graduate School of Business, HSE - Moscow

Years of Study: 2023/2024 - 2026/2027

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		155,00	35,00	40,00	41,00	39,00	
	Core Professional Block (Major)		105,00	33,00	27,00	30,00	15,00	
1	Enterprise Architecture (offered in a foreign language)	C	4,00			4,00		GPC-1, PC-3, PC-5, PC-7, PC-9, UC-2
2	Management and innovation of e-business (offered in a foreign language)	C	6,00				6,00	GPC-2, PC-10, PC-12, PC-14
3	Digital infrastructures for business (offered in a foreign language)	C	5,00		5,00			GPC-1, GPC-3, PC-11, PC-9
4	Linear Algebra (offered in a foreign language)	C	5,00	5,00				UC-2
5	Calculus (offered in a foreign language)	C	5,00	5,00				UC-1, UC-2
6	Mathematical Process Modelling (offered in a foreign language)	C	3,00			3,00		GPC-1
7	Probability Theory and Mathematical Statistics (offered in a foreign language)	C	7,00	4,00	3,00			UC-2
8	Introduction to information systems (offered in a foreign language)	C	3,00		3,00			GPC-2, GPC-4, PC-9
9	Digital infrastructures for business (offered in a foreign language)	C	3,00		3,00			GPC-1, GPC-2, PC-11, PC-5, PC-9
10	Information Systems and Organisations (offered in a foreign language)	C	5,00		5,00			GPC-2, PC-13, PC-4
11	Algorithms and Data Structures (offered in a foreign language)	C	4,00	4,00				GPC-4, GPC-6, PC-1, UC-2
12	Information systems management (offered in a foreign language)	C	4,00			4,00		GPC-2, PC-11, PC-5
13	Leadership and Team Management (offered in a foreign language)	C	5,00				5,00	GPC-6, PC-3, UC-3

#	Course	Type	Total					Competencies
14	Introduction to Digital Innovations (offered in a foreign language)	C	4,00	4,00				PC-10, PC-12, PC-14
15	Investments Management (offered in a foreign language)	C	4,00				4,00	PC-12, PC-14, UC-9
16	General Management (offered in a foreign language)	C	3,00			3,00		GPC-3, PC-2
17	Strategic Management (offered in a foreign language)	C	4,00			4,00		GPC-3, PC-14, PC-2
18	Business Ethics and Corporate Social Responsibility (offered in a foreign language)	C	3,00		3,00			GPC-6, PC-3, UC-10
19	Entrepreneurship (offered in a foreign language)	C	5,00			5,00		PC-12, PC-14, PC-6
20	Management Decisions (offered in a foreign language)	C	4,00			4,00		PC-11, PC-5, PC-6, PC-8, UC-9
21	Digital Business Transformation (offered in a foreign language)	C	3,00			3,00		PC-10, PC-12, PC-5, PC-8
22	Basics of Programming in Python (offered in a foreign language)	C	5,00		5,00			GPC-4, PC-1, UC-1, UC-2
23	Macroeconomics (offered in a foreign language)	C	5,00	5,00				UC-9
24	Microeconomics (offered in a foreign language)	C	6,00	6,00				PC-12, UC-9
	Elective Professional Block (Major)		50,00	2,00	13,00	11,00	24,00	
	R&D Seminar		5,00	2,00		3,00		
1	Project Seminar "Business Plan" (offered in a foreign language)	C	3,00			3,00		PC-12, PC-14
2	Project Seminar "Creative Problem Solving" (offered in a foreign language)	C	2,00	2,00				UC-1, UC-2
	Electives 2024/2025		8,00		8,00			
1	Additional Chapters of higher mathematics and statistics (offered in a foreign language)	E	4,00		4,00			GPC-1, PC-11, UC-1, UC-2
2	Principles of banking and finance (offered in a foreign language)	E	4,00		4,00			GPC-2, PC-12
3	Principles of accounting (offered in a foreign language)	E	4,00		4,00			PC-4, PC-6, UC-9
	Electives 2026/2027		12,00				12,00	
1	Research Project in Digital Innovation (offered in a foreign language)	E	6,00				6,00	PC-10, PC-13
2	Statistical Methods for Market Research (offered in a foreign language)	E	6,00				6,00	GPC-2, PC-1, PC-5
3	Human Resource Management (offered in a foreign language)	E	6,00				6,00	GPC-5, PC-3, UC-3
4	Financial Management (offered in a foreign language)	E	6,00				6,00	GPC-2, PC-6, UC-9
	Electives 2026/2027		6,00				6,00	
1	UX/UI analytics (offered in a foreign language)	E	6,00				6,00	GPC-5, PC-2, PC-5
2	Cloud Services and Resources (offered in a foreign language)	E	6,00				6,00	GPC-2, PC-1, PC-10
3	Open Innovations (offered in a foreign language)	E	6,00				6,00	PC-10, PC-14, PC-9
4	Basics of Mobile Applications Development (offered in a foreign language)	E	6,00				6,00	GPC-3, GPC-6, PC-10, PC-2

#	Course	Type	Total	C1	C2	C3	C4	Competencies
5	Business Communications (offered in a foreign language)	E	6,00				6,00	GPC-5, UC-4
	Compulsory Courses		19,00		5,00	8,00	6,00	
1	Business and Management in Global Context (offered in a foreign language)	C	5,00		5,00			PC-9, UC-5
2	Management and Social Media (offered in a foreign language)	C	6,00				6,00	GPC-5, PC-9, UC-4
3	Instruments of Prototyping (offered in a foreign language)	C	3,00			3,00		PC-11, PC-13, PC-14
4	Innovating digital systems and services (offered in a foreign language)	C	5,00			5,00		GPC-3, PC-10, PC-11, PC-13
	Internship		31,00	5,00	2,00	6,00	18,00	
	Professional Internship		2,00			2,00		
1	Work Experience Internship (offered in a foreign language)	C	2,00			2,00		GPC-1, PC-10, PC-8, UC-2, UC-4
	Project Internship		11,00	5,00	2,00	4,00		
1	Research or Applied Project (offered in a foreign language)	C	2,00			2,00		GPC-3, GPC-5, PC-11, PC-12, UC-3, UC-6
2	Applied Project "Design Thinking" (offered in a foreign language)	C	5,00	5,00				GPC-5, UC-1, UC-2
3	SWOT Analysis Project (offered in a foreign language)	C	2,00		2,00			PC-14, PC-7, PC-9
4	Business Planning Project (offered in a foreign language)	C	2,00			2,00		PC-12, PC-14
	Research Internship		18,00				18,00	
1	Graduation Internship (offered in a foreign language)	C	9,00				9,00	PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9
2	Preparation of Graduation Thesis (offered in a foreign language)	C	9,00				9,00	GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-10, UC-11, UC-2, UC-3, UC-4, UC-5, UC-6, UC-7, UC-8, UC-9
	General Courses		18,00	10,00	5,00	3,00		
	Core General Courses		2,00	1,00	1,00			
1	Safe Living Basics (offered in a foreign language)	C	1,00	1,00				UC-6, UC-8
2	Physical Training (offered in a foreign language)	C	1,00		1,00			UC-7
	Optional General Courses		16,00	9,00	4,00	3,00		
1	Legal Literacy (offered in a foreign language)	C	3,00			3,00		UC-2
2	Sociology (offered in a foreign language)	C	4,00	4,00				UC-11, UC-3, UC-5
3	Russian History (offered in a foreign language)	C	4,00		4,00			UC-5
4	Foundations of Russian Statehood (offered in a foreign language)	C	2,00	2,00				UC-5
5	Philosophy (offered in a foreign language)	C	3,00	3,00				
	Minor		20,00		10,00	10,00		

№	Name	Form	Col1	Col2	Col3	Col4	Col5	Competencies
1	Minor (offered in a foreign language)	C	20,00		10,00	10,00		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 (offered in a foreign language)	C	1,00				1,00	UC-4
3	English Language Integrative Exam (offered in a foreign language)	C						UC-4
	Optional Courses							
1	English Language (offered in a foreign language)	O	14,00	8,00	6,00			UC-4
2	Academic Writing in English (offered in a foreign language)	O	2,00				2,00	UC-4
	Data Culture		14,00	10,00	3,00		1,00	
1	Digital Literacy (offered in a foreign language)	C	6,00	6,00				GPC-6, PC-6, UC-1
2	Data Management (offered in a foreign language)	C	4,00	4,00				GPC-4, PC-1, PC-10, PC-5, PC-9
3	Independent Digital Literacy Test (offered in a foreign language)	C						GPC-6, PC-6, UC-1
4	Machine Learning with Python (offered in a foreign language)	C	3,00		3,00			GPC-4, PC-1, UC-1, UC-2
5	Independent Data Science Test. Advanced Level (offered in a foreign language)	C						GPC-1, PC-1, PC-5, PC-9, UC-1
6	Independent Programming Test. Advanced Level (offered in a foreign language)	C	1,00				1,00	GPC-4, PC-1, UC-1, UC-2
	Final State Certification (FSC)		1,00				1,00	
	Thesis Work		1,00				1,00	
1	Presenting of Graduation Thesis (offered in a foreign language)	C	1,00				1,00	GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, GPC-6, PC-1, PC-10, PC-11, PC-12, PC-13, PC-14, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-10, UC-11, UC-2, UC-3, UC-4, UC-5, UC-6, UC-7, UC-8, UC-9
	State Examinations							

Curriculum agreed:

Academic Supervisor	GLADKOVA M.A.	22.05.2023
Dean	KATKALO V.S.	22.05.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	30.05.2023

* Subject type:

Compulsory course	C
Elective course	E
Optional course	O