



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 09.03.04 Software Engineering,
38.03.05 Business Informatics

Educational Programme "IT System Development for Business"
Specializations: "Information Systems Lifecycle Management", "IT
Analytics", "Software Systems Development"

Implementing unit: -, HSE - Perm
2 nd, 2025/2026 academic year

APPROVED

14.04.2025

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 4 years

Years of Study: 2024/2025 - 2027/2028

Mode of Study: Full Time

Degree: Bachelor's degree

Block Code	Course	Subject type	Department	Period of execution	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
								1	2	3	4	
	Degree Programme				60,00	2 442	758	172	174	214	202	
	Data Culture				9,00	342	92	14	16	32	34	
1	Applied algorithms and data structures	C	Department of Big Data and Information Retrieval		4,00	152	28	14	14A			Online Course
2	Mathematical Methods for Data Analysis	C	Кафедра информационных технологий в бизнесе		5,00	190	62			32	30A	
3	Independent Programming Test. Advanced Level	C	отдел развития цифровых компетенций				2				2A	Online Course
	Major				35,00	1 330	406	102	98	108	98	
	Core Professional Block (Major)				32,00	1 216	378	88	84	108	98	
1	Algorithms and Data Structures	C	Кафедра информационных технологий в бизнесе		6,00	228	68		28	40A		
2	Data Analysis in Python	C	Кафедра информационных технологий в бизнесе		3,00	114	30				30A	
3	Computer Architecture and Operating Systems	C	Кафедра информационных технологий в бизнесе		4,00	152	56			28	28A	
4	Databases	C	Кафедра информационных технологий в бизнесе		5,00	190	56	28	28A			
5	Software Design	C	Кафедра информационных технологий в бизнесе		7,00	266	80			40	40A	
6	Probability Theory and Mathematical Statistics	C	Кафедра информационных технологий в бизнесе		4,00	152	56	28	28A			
7	Economics	C	Joint Department of Public Administration and Municipal Management		3,00	114	32	32A				
	Elective Professional Block (Major)				3,00	114	28	14	14			
	Seminars and Career Guidance Disciplines				3,00	114	28	14	14			
	Compulsory Seminars				3,00	114	28	14	14			
1	Project Seminar	C	Кафедра информационных технологий в бизнесе		3,00	114	28	14	14A			

	Minor				10,00	380	112	28	28	28	28	
1	Minor	E			10,00	380	112	28	28A	28	28A	
	General Courses				1,00	200	144	28	32	44	40	
	Core General Courses				1,00	200	144	28	32	44	40	
1	Physical Training	C	Department of Physical Training		1,00	200	144	28	32A	44	40A	
	Internship				5,00	190	2				2	
	Project Internship				5,00	190	2				2	
1	Term Paper	C		F	5,00	190	2				2A	
	Language and Communication						2			2		
	Optional Courses											
1	English	O			6,00	228	96	28	28	40A		Foreign language, Credits only to the cumulative rating
	Examinations						2			2		
1	Independent Russian Exam	C	School of Foreign Languages				2			2A		

Curriculum agreed:

Academic Supervisor	Lanin V.V.	21.02.2025
Dean	ISOPESKUL O.Y.	24.02.2025
Deputy Director	ZAGORODNOVA E.P.	24.02.2025
Head of Centre for Educational Model Design	LEPESHKIN I.A.	14.04.2025

* Subject type:

Compulsory course
Elective course
Optional course

C
E
O

Period of execution:

Fixed

F