



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.03.05 Business Informatics
 Educational Programme "Business Informatics"
 Implementing unit: -, HSE - Perm

APPROVED
 08.04.2021
 Vice Rector
 ROSHCHIN S.Y.
 Signed with EDS

Years of Study: 2020/2021 - 2023/2024

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		157,00	41,00	36,00	34,00	46,00	
	Core Professional Block (Major)		80,00	35,00	20,00	17,00	8,00	
	Subject Areas		80,00	35,00	20,00	17,00	8,00	
	Economics		10,00	10,00				
1	Macroeconomics	C	5,00	5,00				PC-1, PC-2, UC-9
2	Microeconomics	C	5,00	5,00				PC-1, UC-9
	Higher Mathematics		18,00	12,00	6,00			
1	Calculus	C	7,00	7,00				PC-22
2	Algebra and Geometry	C	5,00	5,00				PC-22
3	Probability Theory and Mathematical Statistics	C	6,00		6,00			PC-22
	Computer Science and Information Systems		6,00	6,00				
1	IT Infrastructure for Business	C	6,00	6,00				PC-10, PC-17, PC-27, PC-4, PC-8
	General and Strategic Management		8,00	4,00		4,00		
1	Strategic Management (offered in a foreign language)	C	4,00			4,00		GPC-1, GPC-2, UC-1, UC-2
2	Management Theory and History	C	4,00	4,00				GPC-1, GPC-2, UC-1, UC-2
	Enterprise Architecture, Management of Business Processes and Projects		13,00		3,00	10,00		
1	Business Process Modelling	C	3,00		3,00			PC-7
2	Enterprise Architecture	C	5,00			5,00		PC-7, PC-9
3	IT Project Management	C	5,00			5,00		PC-29, UC-2
	Programming		4,00		4,00			
1	165 (offered in a foreign language)	C	4,00		4,00			PC-23
	Decision-making and Operations Research		3,00			3,00		

1	Management Decisions	C	3,00			3,00		GPC-1, GPC-2, UC-1, UC-2
	Finance and Accounting		7,00		7,00			
1	Financial and Managerial Accounting	C	4,00		4,00			GPC-3, PC-1
2	Financial Management	C	3,00		3,00			PC-1, PC-11, PC-12, PC-5
	Entrepreneurship		4,00				4,00	
1	Entrepreneurship (offered in a foreign language)	C	4,00				4,00	PC-20, PC-21, PC-3, PC-30, PC-6
	Leadership and Team Management		7,00	3,00			4,00	
1	Leadership and Team Management	C	4,00				4,00	PC-28, UC-3, UC-6
2	Business Ethics and Corporate Social Responsibility	C	3,00	3,00				UC-11, UC-3, UC-4, UC-6
	Elective Professional Block (Major)		77,00	6,00	16,00	17,00	38,00	
	Научно-исследовательский / Проектный семинар / Профориентационный семинар		16,00	6,00	3,00	4,00	3,00	
1	Research Seminar	C	3,00				3,00	GPC-3, PC-31, PC-32, PC-33, UC-11
2	Career Guidance Seminar "Introduction to Business Informatics"	C	4,00	4,00				UC-1, UC-2, UC-3, UC-4
3	Project Seminar	C	9,00	2,00	3,00	4,00		GPC-3, UC-11, UC-3, UC-6
	Дополнение профессионального модуля (Major доп)		40,00		13,00	4,00	23,00	
1	Quantitative Decision Making in a Big Data Society	C	5,00				5,00	PC-10, UC-2, UC-9
2	Introduction to Information Security	C	3,00				3,00	GPC-1, GPC-3
3	Automation of Enterprise Accounting	C	5,00				5,00	PC-15, PC-18
4	Data Warehouse	C	5,00				5,00	PC-12, PC-4
5	Business Process Management	C	5,00				5,00	PC-7, UC-11
6	Discrete Mathematics	C	5,00		5,00			PC-22
7	Programming	C	8,00		8,00			PC-23
8	Requirements Management and IS Design	C	4,00			4,00		PC-13, PC-14, PC-26, UC-11
	Специальные технологии		12,00				12,00	
1	Neuron Networks	E	6,00				6,00	PC-20, PC-3, PC-31, PC-4, UC-1
2	BI Tools for Pocess and Task Management	E	6,00				6,00	GPC-2, UC-2, UC-9
3	Data Analysis Technologies in Internet	E	6,00				6,00	PC-22, PC-23, PC-3, PC-4, UC-1
4	Distributed Computing	E	6,00				6,00	PC-20, PC-3, PC-31, PC-4, UC-1
5	Product Analytics	E	6,00				6,00	PC-20, PC-21, PC-3, PC-4, UC-1
	Информационные системы в бизнесе		9,00			9,00		
	Дисциплины по выбору (Блок 1)		5,00			5,00		
1	Automation of Enterprise Accounting	E	5,00			5,00		PC-10, PC-22, PC-8
2	Mobile Development	E	5,00			5,00		PC-16, PC-19
3	Simulation Modeling	E	5,00			5,00		PC-22, PC-31
4	Web Programming	E	5,00			5,00		PC-10, PC-20, PC-31
5	Machine Learning	E	5,00			5,00		PC-22, PC-23, PC-25, PC-31, PC-4, UC-1
	Дисциплины по выбору (Блок 2)		4,00			4,00		
1	Internet Entrepreneurship	E	4,00			4,00		PC-20, PC-21, PC-26, PC-3, PC-30, PC-6

2	E-Business Business Models	E	4,00			4,00		UC-1, UC-2, UC-3, UC-4
	Internship		32,00	5,00	5,00	10,00	12,00	
	Professional Internship		5,00			5,00		
1	Work Experience Internship	C	5,00			5,00		GPC-1, GPC-3, UC-1, UC-2, UC-3
	Project Internship		15,00	5,00	5,00	5,00		
1	Исследовательский или прикладной проект	E	5,00			5,00		GPC-1, GPC-3, UC-1, UC-2, UC-4
2	Курсовой проект: SWOT-анализ	E	5,00	5,00				GPC-1, GPC-3, UC-1, UC-2, UC-4
3	Прикладной проект	E	5,00		5,00			GPC-1, GPC-3, UC-1, UC-2, UC-4
	Research Internship		12,00				12,00	
1	Graduation Internship	C	6,00				6,00	GPC-1, GPC-3, UC-1, UC-2, UC-4
2	Preparation of Graduation Thesis	C	6,00				6,00	GPC-1, GPC-3, UC-1, UC-2, UC-4
	General Courses		14,00	14,00				
	Core General Courses		2,00	2,00				
1	Safe Living Basics	C	1,00	1,00				UC-8
2	Physical Training	C	1,00	1,00				UC-7
	Optional General Courses		12,00	12,00				
1	Law	C	4,00	4,00				UC-1, UC-10, UC-4
2	Philosophy	C	4,00	4,00				UC-5
3	History	C	4,00	4,00				UC-5
	Minor		20,00		10,00	10,00		
1	Minor	E	20,00		10,00	10,00		UC-1, UC-2, UC-3, UC-4
	English		1,00				1,00	
	Examinations		1,00				1,00	
1	Project Proposal	C	1,00				1,00	UC-4
2	English Language Integrative Exam	C						UC-4
3	Independent English Exam (offered in a foreign language)	C						UC-4
	Optional Courses							
1	Academic English Writing (offered in a foreign language)	O	2,00				2,00	UC-4
2	English (offered in a foreign language)	O	14,00	8,00	6,00			UC-4
	Data Culture		15,00		9,00	6,00		
1	Databases	C	5,00		5,00			PC-24, PC-25
2	Intelligent Information Systems	C	6,00			6,00		PC-22
3	Data Analysis	C	4,00		4,00			PC-22, PC-5
	Final State Certification (FSC)		1,00				1,00	
	Thesis Work		1,00				1,00	
1	Presenting of Graduation Thesis	C	1,00				1,00	GPC-1, GPC-3, UC-1, UC-2, UC-4

Curriculum agreed:

Academic Supervisor

SAKHIPOVA M.S.

05.04.2021

Dean	ISOPESKUL O.Y.	05.04.2021
Deputy Director	ZAGORODNOVA E.P.	05.04.2021
Head of Centre for Educational Model Design	LEPESHKIN I.A.	08.04.2021

* Subject type:

Compulsory course	C
Elective course	E
Optional course	O