

National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.03.05 Business Informatics
Educational Programme "Business Informatics"

Faculty of Economics, Management and Business Informatics, HSE - Perm

APPROVED by
Vice Rector

ROSHCHIN Y.S.
08.04.2021

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 (competencies according to the educational standard)
				1	2	3	4	
	Degree Programme		240	60	60	60	60	
	Major		158	41	36	35	46	
	Core Professional Block (Major)		80	35	20	17	8	
	Subject Areas		80	35	20	17	8	
	Economics		10	10				
1	Macroeconomics	C	5	5				PC-2, PC-1
2	Microeconomics	C	5	5				PC-1
	Higher Mathematics		18	12	6			
1	Calculus	C	7	7				PC-22
2	Algebra and Geometry	C	5	5				PC-22
3	Probability Theory and Mathematical Statistics	C	6		6			PC-22
	Computer Science and Information Systems		6	6				
1	IT Infrastructure for Business	C	6	6				PC-4, PC-27, PC-8, PC-10
	General and Strategic Management		8	4		4		
1	Strategic Management	C	4			4		UC-2, GPC-2, UC-1, GPC-1
2	Management Theory and History	C	4	4				GPC-1, GPC-2, UC-1, UC-2
	Enterprise Architecture, Management of Business Processes and Projects		13		3	10		
1	Information systems management	C	4			4		PC-29, UC-2
2	Enterprise Architecture	C	6			6		PC-7, PC-9
3	Business Process Modelling	C	3		3			PC-7
	Programming		4		4			
1	Python Programming	C	4		4			PC-23
	Decision-making and Operations Research		3			3		
1	Management Decisions	C	3			3		GPC-2, GPC-1, UC-1, UC-2
	Finance and Accounting		7		7			

1	Financial and Organizational Accounting	C	4		4			PC-1, GPC-3
2	Financial Management	C	3		3			PC-1, PC-12, PC-11, PC-5
	Entrepreneurship		4				4	
1	Entrepreneurship	C	4				4	PC-21, PC-6, PC-20, PC-3, PC-30
	Leadership and Team Management		7	3			4	
1	Leadership and Team Management	C	4				4	PC-28, UC-3, UC-6
2	Business Ethics and Corporate Social Responsibility	C	3	3				UC-3, UC-4, UC-6
	Elective Professional Block (Major)		78	6	16	18	38	
	Общефакультетский пул дисциплин по выбору		6			3	3	
	Общефакультетский пул дисциплин по выбору (3 курс)		3			3		
1	Elective Course	E	3			3		UC-3, UC-1, UC-4, UC-2
	Общефакультетский пул дисциплин по выбору (4 курс)		3				3	
1	Elective Course	E	3				3	UC-1, UC-3, UC-4, UC-2
	Информационные системы в бизнесе		12			6	6	
	Дисциплины по выбору (Открытое образование)		3			3		
1	Дисциплина по выбору – MOOC	E	3			3		UC-1, UC-2, UC-3, UC-4
	Дисциплины по выбору (Coursera)		3				3	
1	Дисциплина по выбору – MOOC	E	3				3	UC-3, UC-1, UC-2, UC-4
	Информационные системы в бизнесе (3 курс)		3			3		
1	имитационное моделирование	E	3			3		PC-8, PC-10, PC-22
2	Machine Learning	E	3			3		PC-22, PC-23
3	IT Product Management	E	3			3		PC-19, PC-16
	Информационные системы в бизнесе (4 курс)		3				3	
1	Information Systems Business Analysis	E	3				3	PC-17
2	Information Systems Planning	E	3				3	PC-17
3	Management and Decision-Making in Investment and Market systems	E	3				3	PC-17
	Вариативный профессиональный модуль		19	6	3	4	6	
1	Research Seminar "Business Engineering"	C	6				6	PC-32, GPC-3, PC-31, PC-33
2	Career Guidance Seminar "Introduction to Business Informatics"	C	4	4				UC-4, UC-3, UC-2, UC-1
3	Project Seminar	C	9	2	3	4		UC-3, UC-6, GPC-3
	Дополнение профессионального модуля (Major доп)		41		13	5	23	
1	IT Service Management Fundamentals	C	6				6	PC-15, PC-18
2	Information Systems Performance Assessment	C	5				5	PC-4, PC-12
3	Basics of Information Security	C	6				6	GPC-3, GPC-1
4	Business Process Management	C	6				6	PC-7
5	Requirements Management and Information Systems Design	C	5			5		PC-26, PC-13, PC-14
6	Discrete Mathematics	C	5		5			PC-22

7	Introduction to Programming	C	8		8			PC-23
	Internship		31	5	5	9	12	
	Professional Internship		4			4		
1	Work Experience Internship	C	4			4		GPC-1, GPC-3, UC-1, UC-2, UC-3
	Project Internship		15	5	5	5		
1	Исследовательский или прикладной проект	E	5			5		GPC-1, UC-1, UC-2, UC-4, GPC-3
2	Курсовой проект: SWOT-анализ	E	5	5				UC-1, UC-2, GPC-3, GPC-1, UC-4
3	Прикладной проект	E	5		5			UC-4, GPC-3, GPC-1, UC-2, UC-1
	Research Internship		12				12	
1	Graduation Internship	C	3				3	GPC-3, UC-4, UC-2, GPC-1, UC-1
2	Preparation of Graduation Thesis	C	9				9	GPC-3, GPC-1, UC-2, UC-4, UC-1
	General Courses		14	14				
	Core General Courses		2	2				
1	Safe Living Basics	C	1	1				UC-8
2	Physical Training	C	1	1				UC-7
	Optional General Courses		12	12				
1	Introduction to Law	C	4	4				UC-1, UC-4
2	Philosophy	C	4	4				UC-5
3	History	C	4	4				UC-5
	Minor		20		10	10		
1	Minor	E	20		10	10		UC-2, UC-4, UC-1, UC-3
	English		1				1	
	Examinations		1				1	
1	Project Proposal	C	1				1	UC-4
2	English Language Integrative Exam	C						UC-4
3	Independent English Language Test	C						UC-4
	Optional Courses							
1	Academic English Writing	O	2				2	UC-4
2	English	O	14	8	6			UC-4
	Data Culture		15		9	6		
1	Databases	C	5		5			PC-24, PC-25
2	Intelligent Information Systems	C	6			6		PC-22
3	Data Analysis	C	4		4			PC-22, PC-5
	Final State Certification (FSC)		1				1	
	Thesis Work		1				1	
1	Presenting of Graduation Thesis	C	1				1	GPC-3, GPC-1, UC-4, UC-1, UC-2

Academic Supervisor

SHESTAKOVA L.V.

05.04.2021

Dean

ISOPESKUL O.Y.

05.04.2021

Deputy Director

ZAGORODNOVA E.P.

05.04.2021

Head of Degree Programmes
Development Office

MAMONOVA M.A.

08.04.2021

* Subject type:

Compulsory course C

Elective course E

Optional course O