



National Research University Higher School of Economics (HSE)

Curriculum
 Field of study 09.03.04 Software Engineering
 Educational Programme "Software Engineering"
 Implementing unit: Faculty of Economics, Management and
 Business Informatics, HSE - Perm
 1 st, 2021/2022 academic year

APPROVED
 22.04.2021
 Vice Rector
 ROSHCHIN Y.S.
 Signed with EDS

Length of Programme: 4 years
 Years of Study: 2021/2022 - 2024/2025
 Mode of Study: Full Time
 Degree: Bachelor's degree

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
	Degree Programme			60	2 280	961	174	192	240	227	
	Data Culture					3				3	
1	Independent Digital Literacy Test	C	Center for Support and Monitoring of Degree Programs			3				3A	
	Major			49	1 862	638	132	160	182	164	
	Core Professional Block (Major)			46	1 748	596	132	160	154	150	
	Subject Areas			46	1 748	596	132	160	154	150	
	Algebra			8	304	100	46	54			
1	Algebra	C	Department of Higher Mathematics	8	304	100	46	54A			
	Discrete Mathematics			10	380	140	28	32	40	40	
1	Discrete Mathematics	C	Department of Big Data and Information Retrieval	10	380	140	28	32A	40	40A	
	Mathematical Analysis			8	304	100			50	50	
1	Calculus	C	Department of Higher Mathematics	8	304	100			50A	50A	
	Programming			13	494	176	22	30	64	60	
1	Computer Practice in Python Programming	C	Department of Information Technologies in Business	3	114	58			28	30A	
2	Programming	C	Department of Information Technologies in Business	10	380	118	22	30A	36	30A	
	Development and Analysis of Requirements			3	114	32	14	18			
1	Practice in Basics of Technical Documentation Designing	C	Department of Information Technologies in Business	3	114	32	14	18A			
	Software Project Management			4	152	48	22	26			
1	Introduction into Software Engineering	C	Department of Information Technologies in Business	4	152	48	22	26A			

	Elective Professional Block (Major)			3	114	42			28	14	
	Проектный семинар			3	114	42			28	14	
	Проектный семинар (1 курс)			3	114	42			28	14	
1	Project Seminar 1	C	Department of Information Technologies in Business	3	114	42			28	14A	
	English					130				2	
	Optional Courses					128					
1	English	O		8		128	20	28A	40	40A	Foreign language, Credits only to the cumulative rating
	Examinations					2				2	
1	English Language Integrative Exam	C	Департамент иностранных языков			2				2A	Foreign language
	General Courses			6	228	188	42	32	58	56	
	Optional General Courses			4	152	30			14	16	
1	History	C	Department of Humanities	4	152	30			14	16A	Online Course
	Core General Courses			2	76	158	42	32	44	40	
1	Safe Living Basics	C	Department of Physical Training	1	38	14	14A				Online Course
2	Physical Training	C	Department of Physical Training	1	38	144	28	32A	44	40A	
	Internship			5	190	2				2	
	Project Internship			5	190	2				2	
1	Курсовой проект	E	Department of Information Technologies in Business	5	190	2				2A	

Curriculum agreed:

Academic Supervisor	VIKENTEVA O.L.	06.04.2021
Dean	ISOPESKUL O.Y.	07.04.2021
Deputy Director	ZAGORODNOVA E.P.	07.04.2021
Head of Degree Programmes Development Office	MAMONOVA M.A.	20.04.2021

* Subject type:

Compulsory course

C

Elective course

E

Optional course

O