



National Research University Higher School of Economics (HSE)

Curriculum
 Field of study 09.03.04 Software Engineering
 Educational Programme "Software Engineering"
 Implementing unit: -, HSE - Perm
 4 th, 2023/2024 academic year

APPROVED
 17.04.2023
 Vice Rector
 ROSHCHIN S.Y.
 Signed with EDS

Length of Programme: 4 years
 Years of Study: 2020/2021 - 2023/2024
 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				60,00	2 280	294	92	88	110	10	
Major				38,00	1 444	280	92	88	106		
Core Professional Block (Major)				17,00	646	166	52	48	66		
Subject Areas				17,00	646	166	52	48	66		
Software Architecture				9,00	342	74	24	20	30		
1	Object-Oriented Analysis and Design	C	Кафедра информационных технологий в бизнесе	3,00	114	24	24A				
2	Software Systems Architecture Design	C	Кафедра информационных технологий в бизнесе	6,00	228	50		20	30A		
Software Project Management				8,00	304	92	28	28	36		
1	Software Project Management	C	Department of Software Engineering	4,00	152	56	28	28A			Online Course
2	Software Engineering Economics	C	Кафедра информационных технологий в бизнесе	4,00	152	36			36A		Foreign language
Elective Professional Block (Major)				21,00	798	114	40	40	40		
Дисциплины по выбору студента (4 курс)				18,00	684	114	40	40	40		
1	Intelligent Systems	E	Кафедра информационных технологий в бизнесе	6,00	228	40	20	20A			Online Course
2	Neuron Networks	E	Кафедра информационных технологий в бизнесе	6,00	228	40			40A		
3	Contemporary Software Systems Development with Python	E	Кафедра информационных технологий в бизнесе	6,00	228	40			40A		
4	BI Tools for Pocess and Task Management	E	Кафедра информационных технологий в бизнесе	6,00	228	40	20	20A			
5	Data Analysis Technologies in Internet	E	Кафедра информационных технологий в бизнесе	6,00	228	40	20	20A			Online Course
6	Technologies and Algorithms of High-Performance Computing	E	Кафедра информационных технологий в бизнесе	6,00	228	40	20	20A			
Research seminar				3,00	114						

	НИС 4 курс			3,00	114					
1	Research Seminar	E	Кафедра информационных технологий в бизнесе	3,00	114	22		10	12A	
	English			1,00	38	2			2	
	Optional Courses									
1	Academic English Writing	O		2,00	76	36		16	20A	Credits only to the cumulative rating
	Examinations			1,00	38	2			2	
1	Project Proposal	C	Департамент иностранных языков	1,00	38	2			2A	
	Final State Certification (FSC)			3,00	114	2				2
	Thesis Work			3,00	114	2				2
1	Presenting of Graduation Thesis	C		3,00	114	2				2A
	Internship			18,00	684	10			2	8
	Research Internship			8,00	304	2				2
1	Preparation of Graduation Thesis	C		8,00	304	2				2
2	Graduation Internship	E								
	Project Internship			10,00	380	8			2	6
1	Командный проект по программной инженерии	E		4,00	152	2			2A	
2	Graduation Internship	C		6,00	228	6				6A

Curriculum agreed:

Academic Supervisor	LANIN V.V.	10.04.2023
Dean	ISOPESKUL O.Y.	10.04.2023
Deputy Director	ZAGORODNOVA E.P.	10.04.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	10.04.2023

* Subject type:

Compulsory course
Elective course
Optional course

C
E
O