National Research University Higher School of Economics (HSE)

Length of Programme: 4 years

Mode of Study: Full Time Degree: Bachelor's degree

Years of Study: 2020/2021 - 2023/2024

Curriculum

Field of study 09.03.04 Software Engineering Educational Programme "Software Engineering" Specialization: "Industrial Software Engineering", "System Programming"

Faculty of Computer Science, HSE - Moscow 1 st, 2020/2021 academic year

APPROVED by Vice Rector

ROSHCHIN Y.S.

Number of Students: 300
Number of Groups: 10

						Al	llocation of C	Contact Hour			
Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	1	2	3	4	Additional Information
	Degree Progamme			60	3 990	1 654	262	212	314	170	
	Major		3 496	1 328	184	144	224	80			
	Core Professional Block (Major)	52	2 356	888	124	84	88	80			
	Subject Areas				2 356	888	124	84	88	80	
	Algebra				532	178					
1	Algebra	С	Department of Big Data and Information Retrieval	14	532	178					
	Discrete Mathematics				380	140	28				
1	Discrete Mathematics	С	Department of Big Data and Information Retrieval	10		140	28	28			
	Mathematical Analysis					178					
1	Calculus	С	Department of Mathematics	14	532	178					
	Programming				760	348	96	84	88	80	
	Программирование				760	348	96	84	88	80	
1	Introduction to Programming	С	Department of Software Engineering	10	380	174	48A	42A	44	40A	
2	Programming in C/C++	С	базовая кафедра фирмы 1С	10		174	48A	42A	44	40A	
	Software Project Management				152	44					
1	Introduction into Software Engineering	С	Department of Software Engineering	4	152	44					
	Elective Professional Block (Major)		1 140	440	60	60	136				
	Научно-исследовательский семи	3	1 140 1 140	440	60	60	136				
	Научно-исследовательский семинар					440	60	60	136		

1	Research Seminar "Cloud Services of the Mir Payment System. Business Technology Service Design"	E	Department of Software Engineering	3	114	44	12	12	20A		
2	Research Seminar "Automata and Process Models"	E	Department of Software Engineering	3	114	44					
3	Research Seminar "Data analysis in Python"	E	Department of Software Engineering	3	114	44	12	12	20A		
4	Information Systems"	E	Department of Software Engineering	3	114	44					
5	Research Seminar "Linux software distribution"	E	Department of Software Engineering	3	114	44	12	12	20A		
6	Research Seminar "Methods and algorithms of computer crime investigation"	E	Department of Software Engineering	3	114	44	12	12	20A		
7	Research Seminar "Neuroinformatics"	E	Department of Software Engineering	3	114	44	12	12	20A		
8	Research seminar "Neural Network Technologies"	E	Department of Software Engineering	3	114	44					
9	Research Seminar "Cloud and Mobile Application Development for Microsoft Platform"	E	Department of Software Engineering	3	114	44					
10	Research Seminar "Development of Cyber-Physical Systems"	E	Department of Software Engineering	3	114	44			36A		
	English				304	146	24	32	44	46	
	Optional Courses				304	144	24	32	44	44	
1	English	0		8	304	144	24	32A	44	44A	Credits only to the cumulative rating
	Examinations					2				2	
1	English Language Integrative Exam	C	School of Foreign Languages			2				2A	
	General Courses				190	180	54	36	46	44	
	Optional General Courses	T =		4	152	18			10	8	
1	Economics	С	Department of Theoretical Economics	4	152	18			10		Online Course
	Core General Courses			1	38	162	54	36	36	36	
1	Safe Living Basics	С	центр поддержки студенческих инициатив	1	38	18	18A				Online Course
2	Physical Training	С	Department of Physical Training			144	36	36	36	36A	

Academic Supervisor

SHILOV V.V.

Dean

ARZHANTSEV I.V.

Head of Degree Programmes Development Office

MAMONOVA M.A.

* Subject type:

Compulsory course

Elective course

Optional course

O