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 Informatics, Mathematics and Computer Sciences, HSE - Nizhny Novgorod
2 nd, 2021/2022 academic year

APPROVED
28.05.2021
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 Progamme			**60,00**	**2 508**	**828**	**172**	**188**	**206**	**186**	
	Data Culture			**4,00**	**152**	**6**				**6**	
1	Data Scraping using Python	C	Joint Department with MERA Group	4,00	152	6				6A	Online Course, Foreign language
	Major			**33,00**	**1 254**	**452**	**112**	**128**	**132**	**108**	
	Core Professional Block (Major)			**31,00**	**1 178**	**432**	**112**	**128**	**132**	**88**	
	Subject Areas			**31,00**	**1 178**	**432**	**112**	**128**	**132**	**88**	
	Algorithms and Data Structures			**4,00**	**152**	**64**			**44**	**20**	
1	Algorithms and Data Structures 2	C	Joint Department with MERA Group	4,00	152	64			44	20A	Online Course
	Software Engineering			**6,00**	**228**	**104**	**28**	**32**	**44**		
1	Software Design	C	Joint Department with MERA Group	6,00	228	104	28	32	44A		
	Organization of Computations			**5,00**	**190**	**60**	**28**	**32**			
1	Operating Systems	C	Joint Department with MERA Group	5,00	190	60	28	32A			
	Programming			**6,00**	**228**	**84**			**44**	**40**	
1	Java Programming	C	Joint Department with MERA Group	6,00	228	84			44	40A	
	Software Architecture			**5,00**	**190**	**60**	**28**	**32**		**28**	
1	Databases	C	Department of Software Engineering	5,00	190	60	28	32A			
	Probability Theory and Mathematical Statistics			**5,00**	**190**	**60**	**28**	**32**			
1	Probability Theory and Mathematical Statistics	C	Department of Mathematics	5,00	190	60	28A	32A			
	Elective Professional Block (Major)			**2,00**	**76**	**20**				**20**	
	Проектный семинар			**2,00**	**76**	**20**				**20**	

1	Project Seminar "The Basics of DevOps"	C	Joint Department with MERA Group	2,00	76	20				20A	
	Minor			**10,00**	**380**	**120**	**32**	**28**	**30**	**30**	
1	Minor	C		10,00	380	120	32	28A	30	30A	
	English				**228**	**104**					
	Optional Courses				**228**	**104**					
1	English	O		6,00	228	104	28	32	44A		Foreign language, Credits only to the cumulative rating
	General Courses			**1,00**	**38**	**144**	**28**	**32**	**44**	**40**	
	Core General Courses			**1,00**	**38**	**144**	**28**	**32**	**44**	**40**	
1	Physical Training	C	Department of Physical Training	1,00	38	144	28	32	44	40A	
	Internship			**12,00**	**456**	**2**				**2**	
	Project Internship			**7,00**	**266**	**2**				**2**	
1	Term Paper	C		7,00	266	2				2A	
	Professional Internship			**5,00**	**190**						
1	Educational Internship	C		5,00	190						

Curriculum agreed:

Academic Supervisor	BYCHKOV I.S.	23.05.2021
Dean	ASEEVA N.V.	23.05.2021
Deputy Director	FOMENKOV D.A.	23.05.2021
Head of Degree Programmes Development Office	MAMONOVA M.A.	28.05.2021

* Subject type:

Compulsory course	C
Elective course	E
Optional course	O