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
3 rd, 2022/2023 academic year

APPROVED
05.05.2022
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**	**2 280**	**611**	**150**	**144**	**197**	**120**	
	Major			**39,00**	**1 482**	**484**	**116**	**116**	**164**	**88**	
	Core Professional Block (Major)			**28,00**	**1 064**	**384**	**88**	**88**	**120**	**88**	
	Subject Areas			**28,00**	**1 064**	**384**	**88**	**88**	**120**	**88**	
	Software Quality Assurance and Testing			**4,00**	**152**	**56**	**28**	**28**			
1	Software Quality Assurance and Testing	C	Joint Department with MERA Group	4,00	152	56	28A	28A			
	Programming			**10,00**	**380**	**128**	**32**	**32**	**44**	**20**	
1	Web-Programming	C	Joint Department with MERA Group	5,00	190	64			44	20A	Online Course
2	Functional Programming	C	Joint Department with MERA Group	5,00	190	64	32	32A			
	Software Architecture			**5,00**	**190**	**84**			**44**	**40**	
1	Software Systems Architecture Design	C	Joint Department with MERA Group	5,00	190	84			44	40A	Foreign language
	Development and Analysis of Requirements			**4,00**	**152**	**60**			**32**	**28**	
1	Development and Analysis of Requirements	C	Joint Department with MERA Group	4,00	152	60			32	28A	
	Software Project Management			**5,00**	**190**	**56**	**28**	**28**			
1	Group Dynamics and Communication in Software Engineering Professional Practice	C	Joint Department with MERA Group	5,00	190	56	28	28A			
	Elective Professional Block (Major)			**11,00**	**418**	**100**	**28**	**28**	**44**		
	Мобильная разработка			**5,00**	**190**	**56**	**28**	**28**			
1	Android Applications Development	E	Joint Department with MERA Group	5,00	190	56	28	28A			Online Course

2	iOS Development	E	Faculty of Informatics, Mathematics and Computer Sciences	5,00	190	56	28	28A			
	Проектный семинар			**6,00**	**228**	**44**			**44**		
1	UI/UX Design	C	Joint Department with MERA Group	3,00	114	22			22A		
2	Project seminar "Modern technologies of mobile development"	C	Joint Department with MERA Group	3,00	114	22			22A		
	Minor			**10,00**	**380**	**120**	**32**	**28**	**30**	**30**	
1	Minor	C		10,00	380	120	32	28A	30	30A	
	English					**3**			**3**		
	Examinations					**3**			**3**		
1	Independent English Exam	C	School of Foreign Languages			3			3A		Foreign language
	Internship			**11,00**	**418**	**4**	**2**			**2**	
	Project Internship			**7,00**	**266**	**2**				**2**	
1	Term Paper	C		7,00	266	2				2A	
	Professional Internship			**4,00**	**152**	**2**	**2**				
1	Work Experience Internship	C		4,00	152						
2	Educational Internship	C				2	2A				

Curriculum agreed:

Academic Supervisor	BYCHKOV I.S.	04.05.2022
Dean	ASEEVA N.V.	04.05.2022
Deputy Director	FOMENKOV D.A.	04.05.2022
Head of Degree Programmes Development Office	LEPESHKIN I.A.	05.05.2022

* Subject type:

Compulsory course	C
Elective course	E
Optional course	O