National Research University Higher School of Economics (HSE)

Curriculum
Field of study 09.03.01 Information Science and Computation Technology
Educational Programme "Information Science and Computation Technology"
Specializations: "Automated systems", "Computer Systems and Networks", "Elements and devices of embedded systems"
Implementing unit: Tikhonov Moscow Institute of Electronics and Mathematics, HSE - Moscow
1 st, 2023/2024 academic year

Length of Programme: 4 years
Years of Study: 2023/2024 - 2026/2027
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**	**2 480**	**1 060**	**258**	**254**	**314**	**270**	
	Data Culture					**2**				**2**	
1	Independent Digital Literacy Test	C	отдел развития цифровых компетенций			2				2A	Online Course
	Major			**53,00**	**2 014**	**766**	**116**	**180**	**278**	**228**	
	Core Professional Block (Major)			**43,00**	**1 634**	**652**	**102**	**164**	**214**	**208**	
1	Algebra and Geometry	C	Department of Applied Mathematics	7,00	266	100			50	50A	
2	Algorithmization and Programming	C	School of Computer Engineering	8,00	304	172	36	50A	44	42A	
3	Computer Science	C	School of Computer Engineering	4,00	152	56	28	28A			
4	Calculus	C	Department of Applied Mathematics	12,00	456	188	28	40A	60	60A	
5	Physics	C	School of Electronic Engineering	12,00	456	136		36	52A	48A	
	Elective Professional Block (Major)			**10,00**	**380**	**114**	**14**	**16**	**64**	**20**	
	Дисциплины по выбору ОП			**3,00**	**114**	**52**	**14**	**16**	**22**		
1	Computer-based Workshop on Engineering Graphics	C	School of Computer Engineering	3,00	114	52	14	16A	22A		
	-			**7,00**	**266**	**62**			**42**	**20**	
1	Project Seminar "Python in Data Science"	C	School of Computer Engineering	5,00	190	42			22	20A	

№	Course	Type	Department	Credits	Total						Notes
2	Project Seminar "Introduction to Project Activities"	C	School of Computer Engineering	2,00	76	20			20A		
English						**2**				**2**	
Optional Courses											
1	English	O		8,00	304	128	20	28A	40	40A	Foreign language, Credits only to the cumulative rating
Examinations						**2**				**2**	
1	English Language Integrative Exam	C	School of Foreign Languages			2				2A	Foreign language
General Courses				**7,00**	**466**	**288**	**142**	**74**	**36**	**36**	
Optional General Courses				**6,00**	**228**	**126**	**88**	**38**			
1	Russian History	C	School of History	4,00	152	72	34	38A			Online Course
2	Foundations of Russian Statehood	C	School of History	2,00	76	54	54A				
Core General Courses				**1,00**	**238**	**162**	**54**	**36**	**36**	**36**	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	18A				Online Course
2	Physical Training	C	Department of Physical Training		200	144	36	36	36	36A	
Internship						**2**				**2**	
Professional Internship						**2**				**2**	
1	Algorithmization and Programming	C				2				2A	

Curriculum agreed:

Academic Supervisor	POLESSKIY S.N.	30.05.2023
Dean	KROUK E.A.	31.05.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	02.06.2023

* Subject type:
Compulsory course   C
Elective course   E
Optional course   O