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", "Information and analytical Systems"
Implementing unit: Tikhonov Moscow Institute of Electronics and Mathematics, HSE - Moscow
1 st, 2024/2025 academic year

Length of Programme: 4 years
Years of Study: 2024/2025 - 2027/2028
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**	**1 072**	**165**	**259**	**348**	**300**	
	Data Culture					**2**			**2**		
1	Independent Digital Literacy Test	C	отдел развития цифровых компетенций			2			2A		Online Course
	Major			**53,00**	**2 014**	**802**	**116**	**180**	**278**	**228**	
	Core Professional Block (Major)			**42,00**	**1 596**	**688**	**102**	**164**	**214**	**208**	
1	Algebra and Geometry	C	Department of Applied Mathematics	6,00	228	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	224	38	50A	68	68A	
5	Physics	C	School of Electronic Engineering	12,00	456	136		36	52A	48A	
	Elective Professional Block (Major)			**11,00**	**418**	**114**	**14**	**16**	**64**	**20**	
	Дисциплины по выбору ОП			**4,00**	**152**	**52**	**14**	**16**	**22**		
1	Computer-based Workshop on Engineering Graphics	C	School of Computer Engineering	4,00	152	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	

No.	Course	Type	Department								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**	**264**	**49**	**79**	**68**	**68**	
	Optional General Courses			**6,00**	**228**	**102**	**12**	**42**	**24**	**24**	
1	Russian History	C	School of History	4,00	152	76	12	16A	24	24A	Online Course
2	Foundations of Russian Statehood	C	School of History	2,00	76	26		26A			Online Course
	Core General Courses			**1,00**	**238**	**162**	**37**	**37**	**44**	**44**	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	9	9A			Online Course
2	Physical Training	C	Department of Physical Training		200	144	28	28	44	44A	
	Internship					2				2	
	Professional Internship					2				2	
1	Algorithmization and Programming	C				2				2A	

Curriculum agreed:

Academic Supervisor   POLESSKIY S.N.   04.04.2024

Dean   KROUK E.A.   05.04.2024

Head of Centre for
 Educational Model Design   LEPESHKIN I.A.   18.04.2024

* Subject type:
Compulsory course   C
Optional course   O