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"
Tikhonov Moscow Institute of Electronics and Mathematics, HSE - Moscow
1 st, 2020/2021 academic year

APPROVED by

Vice Rector

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ROSHCHIN Y.S.

Length of Programme: 4 years
Years of Study: 2020/2021 - 2023/2024
Mode of Study: Full Time
Degree: Bachelor's degree

Number of Students: 181
Number of Groups: 7

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	2 584	1 054	160	188	308	254	
	Major			52	1 976	666	76	140	242	208	
	Core Professional Block (Major)			45	1 710	604	76	140	200	188	
	Subject Areas			45	1 710	604	76	140	200	188	
	Algebra and Geometry			5	190	84			44	40	
1	Algebra and Geometry	C	Department of Applied Mathematics	5	190	84			44	40A	
	Algorithmisation			12	456	140	20	36	44	40	
1	Algorithmization and Programming	C	School of Computer Engineering	12	456	140	20	36A	44	40A	Online Course
	Computer Science			4	152	56	28	28			
1	Computer Science	C	School of Computer Engineering	4	152	56	28	28A			
	Mathematical Analysis			12	456	188	28	40	60	60	
1	Calculus	C	Department of Applied Mathematics	12	456	188	28	40A	60	60A	
	Physics			12	456	136		36	52	48	
1	Physics	C	School of Electronic Engineering	12	456	136		36	52A	48A	
	Elective Professional Block (Major)			7	266	62			42	20	
	Научно-исследовательский/Проектный семинар			7	266	62			42	20	
1	Project Seminar "Python in the Science of Data"	C	School of Computer Engineering	5	190	42			22	20A	
2	Project Seminar (1st year)	C	School of Computer Engineering	2	76	20			20A		

#		Type	Department	Credits							Notes
	English				304	146	24	32	44	46	
	Optional Courses				304	144	24	32	44	44	
1	English	O		8	304	144	24	32A	44	44A	Foreign language, Credits only to the cumulative rating
	Examinations					2				2	
1	English Language Integrative Exam	C	School of Foreign Languages			2				2A	
	General Courses			5	190	190	46				
	Optional General Courses			4	152	28	28				
1	History	C	School of History	4	152	28	28A				Online Course
	Core General Courses			1	38	162	18				
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1	38	18	18A				Online Course
2	Physical Training	C	Department of Physical Training			144					
	Internship			3	114	52	14	16	22		
	Research Internship										
1	Курсовая работа по дисциплине Алгоритмизация и программирование	C									
	Professional Internship			3	114	52	14	16	22		
1	Computer Practice in Engineering Graphics	C	School of Computer Engineering	3	114	52	14	16	22A		

Academic Supervisor POLESSKIY S.N.

Dean KROUK E.A.

Head of Degree Programmes
Development Office MAMONOVA M.A.

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