



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"
 Implementing unit: Tikhonov Moscow Institute of Electronics and
 Mathematics, HSE - Moscow
 2 nd, 2022/2023 academic year

APPROVED

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 4 years

Years of Study: 2021/2022 - 2024/2025

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 Programme			60,00	1 900	999	214	218	293	274	
	Data Culture					3			3		
1	Independent Programming Test. Intermediate	C	Center for Support and Monitoring of Degree Programs			3			3A		
	Major			45,00	1 710	698	140	144	216	198	
	Core Professional Block (Major)			35,00	1 330	582	120	128	176	158	
	Subject Areas			35,00	1 330	582	120	128	176	158	
	Databases			5,00	190	94			54	40	
1	Databases	C	School of Computer Engineering	5,00	190	94			54	40A	Online Course
	Discrete Mathematics			4,00	152	60	28	32			
1	Discrete Mathematics	C	Department of Applied Mathematics	4,00	152	60	28	32A			
	Mathematical Analysis			4,00	152	56	28	28			
1	Calculus	C	Department of Applied Mathematics	4,00	152	56	28	28A			
	Programming			4,00	152	60	28	32			
1	Object-Oriented Programming	C	School of Computer Engineering	4,00	152	60	28	32A			
	Theory of Automata and Circuitry			4,00	152	74			40	34	
1	Automata Theory and Control	C	School of Computer Engineering	4,00	152	74			40	34A	
	Probability Theory and Mathematical Statistics			4,00	152	72			36	36	
1	Probability Theory and Mathematical Statistics	C	Department of Applied Mathematics	4,00	152	72			36	36A	Online Course

	Physics			4,00	152	72	36	36		
1	Physics	C	School of Electronic Engineering	4,00	152	72	36	36A		
	Electronics			3,00	114	48			48	
1	Electronics	C	School of Electronic Engineering	3,00	114	48			48A	
	Electrical Engineering			3,00	114	46			46	
1	Electrical Engineering	C	School of Electronic Engineering	3,00	114	46			46A	
	Elective Professional Block (Major)			10,00	380	116	20	16	40	40
	Дисциплины по выбору ОП			3,00	114	6	6			
1	Computer Graphics	C	School of Computer Engineering	3,00	114	6	6A			Online Course
	Научно-исследовательский и проектный семинар			7,00	266	110	14	16	40	40
1	Project Seminar "Computer Practice in Mathematics"	C	School of Computer Engineering	4,00	152	70	14	16	20	20A
2	Project Seminar "Fundamentals of Design for Computing Devices and Systems"	C	School of Computer Engineering	3,00	114	40			20	20A
	Minor			10,00		152	38	38	38	38
1	Minor	C		10,00		152	38	38A	38	38A
	English									
	Optional Courses									
1	English	O		6,00	228	104	28	32A	44	Foreign language, Credits only to the cumulative rating
	General Courses			1,00	38	144	36	36	36	36
	Core General Courses			1,00	38	144	36	36	36	36
1	Physical Training	C	Department of Physical Training	1,00	38	144	36	36	36	36A
	Internship			4,00	152	2				2
	Project Internship			4,00	152	2				2
1	Исследовательский или прикладной проект	C		4,00	152	2				2A

Curriculum agreed:

Academic Supervisor

POLESSKIY S.N.

Dean

KROUK E.A.

Head of Degree Programmes
Development Office

MAMONOVA M.A.

* Subject type:

Compulsory course

C

Optional course

O

