



National Research University Higher School of Economics (HSE)

Curriculum
 Field of study 11.03.02 Infocommunication Technologies and Systems
 Educational Programme "Infocommunication Technologies and Systems"
 Specializations: "Electronics of Infocommunication Technologies and Communication Systems", "Infocommunication Technologies and Internet of Things", "Quantum Infocommunication Technologies"
 Implementing unit: Tikhonov Moscow Institute of Electronics and Mathematics, HSE - Moscow
 2 nd, 2022/2023 academic year

APPROVED

31.03.2022

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	2 442	978	226	224	262	266	
	Major			39,00	1 482	676	150	150	186	190	
	Core Professional Block (Major)			29,00	1 102	530	136	136	132	126	
	Subject Areas			29,00	1 102	530	136	136	132	126	
	Higher Mathematics			4,00	152	56	28	28			
1	Calculus	C	Department of Applied Mathematics	4,00	152	56	28	28A			
	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			36A	36A	Online Course
	Communication Theory			4,00	152	72	36	36			
1	The General Theory of Communication	C	School of Electronic Engineering	4,00	152	72	36	36A			
	Physics			4,00	152	72	36	36			
1	Physics	C	School of Electronic Engineering	4,00	152	72	36	36A			
	Electrical Engineering			13,00	494	258	36	36	96	90	
1	Metrology and Electric and Radio Measurements	C	School of Electronic Engineering	4,00	152	76			46	30A	
2	Electric Circuit Theory	C	School of Electronic Engineering	4,00	152	72	36	36A			

3	Electronics	C	School of Electronic Engineering	5,00	190	110			50	60A	
	Elective Professional Block (Major)			10,00	380	146	14	14	54	64	
	Дисциплины по выбору ОП			5,00	190	90			40	50	
1	Fundamentals of Building Information and Communication Systems and Networks	C	School of Electronic Engineering	5,00	190	90			40	50A	
	Научно-исследовательские и проектные семинары			5,00	190	56	14	14	14	14	
1	Project Seminar	C	School of Electronic Engineering	5,00	190	56	14	14	14	14A	
	Minor			10,00	380	152	38	38	38	38	
1	Minor	C		10,00	380	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	200	144	36	36	36	36	
	Core General Courses			1,00	200	144	36	36	36	36	
1	Physical Training	C	Department of Physical Training	1,00	200	144	36	36	36	36A	
	Internship			10,00	380	6	2		2	2	
	Project Internship			3,00	114	2				2	
1	Исследовательский или прикладной проект	C		3,00	114	2				2A	
	Professional Internship			7,00	266	4	2		2		
1	Computer Workshop "Introduction to Data Analysis and Visualization in Microsoft Excel"	C	School of Electronic Engineering	3,00	114	2	2A				
2	Educational Internship	C		4,00	152	2			2A		

Curriculum agreed:

Academic Supervisor	ELIZAROV A.A.	09.03.2022
Dean	KROUK E.A.	11.03.2022
Head of Degree Programmes Development Office	MAMONOVA M.A.	29.03.2022

* Subject type:

Compulsory course

C

Optional course

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