



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", "Info Telecommunication Technologies", "Infocommunication Technologies and Cyber-physical Systems", "Quantum Infocommunication Technologies"

Implementing unit: Tikhonov Moscow Institute of Electronics and Mathematics, HSE - Moscow
2 nd, 2024/2025 academic year

APPROVED

17.04.2024

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

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 Programme				60,00	2 442	1 022	224	240	282	276	
Data Culture						6		2		4	
1	External Examinations on Digital Skills. Entry-level	C	отдел развития цифровых компетенций			2		2A			
2	External Examinations on Digital Skills. Intermediate Level	C	отдел развития цифровых компетенций			2				2A	
3	Independent Programming Test. Intermediate	C	отдел развития цифровых компетенций			2				2A	Online Course
Major				41,00	1 558	716	150	164	206	196	
Core Professional Block (Major)				29,00	1 102	530	136	136	132	126	
1	Calculus	C	Department of Applied Mathematics	4,00	152	56	28	28A			
2	Metrology and Electric and Radio Measurements	C	School of Electronic Engineering	4,00	152	76			46	30A	
3	The General Theory of Communication	C	School of Electronic Engineering	4,00	152	72	36A	36A			
4	Probability Theory and Mathematical Statistics	C	Department of Applied Mathematics	4,00	152	72			36A	36A	
5	Electric Circuit Theory	C	School of Electronic Engineering	4,00	152	72	36	36A			
6	Physics	C	School of Electronic Engineering	4,00	152	72	36	36A			

7	Electronics	C	School of Electronic Engineering	5,00	190	110			50	60A	
	Elective Professional Block (Major)			12,00	456	186	14	28	74	70	
	Дисциплины по выбору ОП			4,00	152	90			40	50	
1	Fundamentals of Building Information and Communication Systems and Networks	C	School of Electronic Engineering	4,00	152	90			40	50A	
	Научно-исследовательские и проектные семинары			8,00	304	96	14	28	34	20	
1	Scientific Research Seminar "Artificial Intelligence in Engineering Education"	C	School of Computer Engineering	3,00	114	28		14	14A		Online Course
2	Project Workshop "Engineering Project Activities"	C	School of Electronic Engineering	5,00	190	68	14	14	20	20A	
	Minor			10,00	380	152	38	38	38	38	
1	Minor	E		10,00	380	152	38	38A	38	38A	
	English										
	Optional Courses										
1	English	O		6,00	228	100	32	28	40A		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	28	28	44	44A	
	Internship			8,00	304	4			2	2	
	Project Internship			3,00	114	2				2	
1	Research or Applied Project	C		3,00	114	2				2A	
	Professional Internship			5,00	190	2			2		
1	Educational Internship	C		5,00	190	2			2A		

Curriculum agreed:

Academic Supervisor	ELIZAROV A.A.	19.02.2024
Dean	KROUK E.A.	20.02.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	17.04.2024

* Subject type:

Compulsory course
 Elective course
 Optional course

C
 E
 O