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, 2023/2024 academic year

Length of Programme: 4 years
Years of Study: 2022/2023 - 2025/2026
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**	**2 442**	**1 000**	**232**	**224**	**268**	**272**	
	Data Culture					**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	
	Major			**39,00**	**1 482**	**688**	**150**	**150**	**192**	**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	

#	Subject	Type	Department/School								Notes
	Elective Professional Block (Major)			10,00	380	158	14	14	60	70	
	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	68	14	14	20	20	
1	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	104	28	32	44A		Foreign language, Credits only to the cumulative rating
	General Courses			1,00	200	144	36	36	36	36	
	Optional General Courses										
1	Elective general cycle disciplines	E									
	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	12	8		2	2	
	Project Internship			3,00	114	2				2	
1	Research or Applied Project	C		3,00	114	2				2A	
	Professional Internship			7,00	266	10	8		2		
1	-	C	School of Electronic Engineering	2,00	76	8	8A				
2	Educational Internship	C		5,00	190	2			2A		

Curriculum agreed:

Academic Supervisor	ELIZAROV A.A.	05.04.2023
Dean	KROUK E.A.	06.04.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	20.04.2023

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