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

1 st, 2024/2025 academic year

Length of Programme: 4 years
Years of Study: 2024/2025 - 2027/2028
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**	**2 480**	**1 016**	**151**	**243**	**316**	**306**	
	Data Culture					**2**			**2**		
1	Independent Digital Literacy Test	C	отдел развития цифровых компетенций			2			2A		Online Course
	Major			**51,00**	**1 938**	**726**	**92**	**154**	**246**	**234**	
	Core Professional Block (Major)			**49,00**	**1 862**	**684**	**92**	**154**	**224**	**214**	
1	Algebra and Geometry	C	Department of Applied Mathematics	5,00	190	84			44	40A	
2	Algorithmization and Programming	C	School of Computer Engineering	12,00	456	172	36	50A	44	42A	
3	Discrete Mathematics	C	Department of Applied Mathematics	4,00	152	48			24	24A	
4	Computer Science	C	School of Computer Engineering	4,00	152	56	28	28A			
5	Calculus	C	Department of Applied Mathematics	12,00	456	188	28	40A	60	60A	
6	Physics	C	School of Electronic Engineering	12,00	456	136		36	52A	48A	
	Elective Professional Block (Major)			**2,00**	**76**	**42**			**22**	**20**	
	Научно-исследовательские и проектные семинары			**2,00**	**76**	**42**			**22**	**20**	
1	Project Seminar "Introduction to Specialty"	C	School of Electronic Engineering	2,00	76	42			22	20A	

№	Course	Type	Department								
	English					2				2	
	Optional Courses										
1	English	O		8,00	304	128	20	28A	40	40A	Foreign language, Credits only to the cumulative rating
	Examinations					2				2	
1	English Language Integrative Exam	C	School of Foreign Languages			2				2A	Foreign language
	General Courses			7,00	466	264	49	79	68	68	
	Optional General Courses			6,00	228	102	12	42	24	24	
1	Russian History	C	School of History	4,00	152	76	12	16A	24	24A	Online Course
2	Foundations of Russian Statehood	C	School of History	2,00	76	26		26A			Online Course
	Core General Courses			1,00	238	162	37	37	44	44	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	9	9A			Online Course
2	Physical Training	C	Department of Physical Training		200	144	28	28	44	44A	
	Internship			2,00	76	22	10	10		2	
	Professional Internship			2,00	76	22	10	10		2	
1	Algorithmization and Programming	C				2				2A	
2	Computer-based Workshop on Engineering Graphics	C		2,00	76	20	10	10A			

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   C
Optional course   O