



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, 2023/2024 academic year

APPROVED

18.05.2023

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	2 480	1 040	190	292	282	276	
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	

	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	288	88	128	36	36	
	Optional General Courses			6,00	228	126	34	92			
1	Russian History	C	School of History	4,00	152	72	34	38A			Online Course
2	Foundations of Russian Statehood	C	School of History	2,00	76	54		54A			
	Core General Courses			1,00	238	162	54	36	36	36	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	18A				Online Course
2	Physical Training	C	Department of Physical Training		200	144	36	36	36	36A	
	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.	04.05.2023
Dean	KROUK E.A.	05.05.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	18.05.2023

* Subject type:

Compulsory course

C

Elective course

E

Optional course

O