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"
Tikhonov Moscow Institute of Electronics and Mathematics, HSE - Moscow
2 nd, 2021/2022 academic year

Length of Programme: 4 years
Years of Study: 2020/2021 - 2023/2024
Mode of Study: Full Time
Degree: Bachelor's degree

Number of Students: 67
Number of Groups: 3

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**	**2 508**	**1 097**	**258**	**262**	**308**	**269**	
	Major			**39**	**1 482**	**676**	**150**	**150**	**186**	**190**	
	Core Professional Block (Major)			**29**	**1 102**	**530**	**136**	**136**	**132**	**126**	
	Subject Areas			**29**	**1 102**	**530**	**136**	**136**	**132**	**126**	
	Higher Mathematics			**4**	**152**	**56**	**28**	**28**			
1	Calculus	C	Department of Applied Mathematics	4	152	56	28	28A			
	Probability Theory and Mathematical Statistics			**4**	**152**	**72**			**36**	**36**	
1	Probability Theory and Mathematical Statistics	C	Department of Applied Mathematics	4	152	72			36A	36A	Online Course
	Communication Theory			**4**	**152**	**72**	**36**	**36**			
1	The General Theory of Communication	C	School of Electronic Engineering	4	152	72	36A	36A			
	Physics			**4**	**152**	**72**	**36**	**36**			
1	Physics	C	School of Electronic Engineering	4	152	72	36	36A			
	Electrical Engineering			**13**	**494**	**258**	**36**	**36**	**96**	**90**	
1	Metrology and Electric and Radio Measurements	C	School of Electronic Engineering	4	152	76			46	30A	
2	Electric Circuit Theory	C	School of Electronic Engineering	4	152	72	36	36A			
3	Electronics	C	School of Electronic Engineering	5	190	110			50	60A	
	Elective Professional Block (Major)			**10**	**380**	**146**	**14**	**14**	**54**	**64**	
	Вариативная часть (по выбору ОП)			**5**	**190**	**90**			**40**	**50**	

№	Subject	Type*	Department								Notes
1	Fundamentals of Building Information and Communication Systems and Networks	C	School of Electronic Engineering	5	190	90			40	50A	
	Научно-исследовательский семинар/Проектный семинар			**5**	**190**	**56**	**14**	**14**	**14**	**14**	
1	Project seminar	C	School of Electronic Engineering	5	190	56	14	14	14	14A	
	Minor			**10**	**380**	**152**	**38**	**38**	**38**	**38**	
1	Minor	C		10	380	152	38	38A	38	38A	
	English				**228**	**107**	**28**	**32**	**44**	**3**	
	Optional Courses				**228**	**104**	**28**	**32**	**44**		
1	English	O		6	228	104	28	32A	44		Foreign language, Credits only to the cumulative rating
	Examinations					**3**				**3**	
1	Independent English Language Test	C	центр поддержки и мониторинга образовательных программ			3				3A	
	General Courses			**1**	**38**	**144**	**36**	**36**	**36**	**36**	
	Core General Courses			**1**	**38**	**144**	**36**	**36**	**36**	**36**	
1	Physical Training	C	Department of Physical Training	1	38	144	36	36	36	36A	
	Internship			**10**	**380**	**18**	**6**	**6**	**4**	**2**	
	Project Internship			**3**	**114**	**8**	**2**	**2**	**2**	**2**	
1	Исследовательский или прикладной проект	E		3	114	8	2	2	2	2A	
	Professional Internship			**7**	**266**	**10**	**4**	**4**	**2**		
1	Computer Workshop "Computer Modeling during the Development of Software/Hardware Radioelectronic Devices"	C	School of Electronic Engineering	3	114	8	4	4A			
2	Educational Internship	C		4	152	2		2A			

Academic Supervisor   NAZAROV I.V.   16.03.2021

Dean   KROUK E.A.   22.03.2021

Head of Degree Programmes Development Office   MAMONOVA M.A.   01.04.2021

* Subject type:

Compulsory course	C
Elective course	E
Optional course	O