



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 09.03.01 Information Science and Computation
Technology

Educational Programme "Computer Technologies, Systems and
Networks"

Implementing unit: St. Petersburg School of Mathematics,
Physics and Computer Science, HSE, HSE - Saint Petersburg
1 st, 2024/2025 academic year

APPROVED

27.05.2024

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

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 Programme				60,00	2 480	1 098	240	220	340	298	
Data Culture						2			2		
1	Independent Digital Literacy Test	C	отдел развития цифровых компетенций			2			2A	Online Course	
Major				52,00	1 976	800	154	164	262	220	
Core Professional Block (Major)				47,00	1 786	758	154	164	240	200	
1	Algebra and Geometry	C	Informatics Department	6,00	228	72			40	32A	
2	Algorithms and Data Structures	C	Informatics Department	6,00	228	124	28	24A	40	32A	
3	Discrete Mathematics	C	Informatics Department	6,00	228	124	28	24A	40	32A	
4	Computer Science	C	School of Computer Engineering	4,00	152	56	28	28A			
5	Calculus	C	Informatics Department	9,00	342	174	42	36A	60	36A	
6	Object-Oriented Programming	C	Informatics Department	4,00	152	52			20	32A	
7	Physics	C	School of Electronic Engineering	7,00	266	104		28	40A	36A	
8	Programming Languages	C	Informatics Department	5,00	190	52	28A	24A			
Elective Professional Block (Major)				5,00	190	42			22	20	
Project Seminar				5,00	190	42			22	20	
1	Project Seminar "Python in Data Science"	C	School of Computer Engineering	5,00	190	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	Department of Foreign Languages			2				2A	
General Courses				7,00	466	292	86	56	76	74	
Optional General Courses				6,00	228	102	38	16	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	190	48	40	52	50	
1	Safe Living Basics	C	отдел развития образовательных программ	1,00	38	6	6A				Online Course
2	Physical Training	C	Department of Physical Training		200	184	42	40A	52	50A	Online Course
Internship				1,00	38	2				2	
Project Internship				1,00	38	2				2	
1	Research or Applied Project	C		1,00	38	2				2A	

Curriculum agreed:

Academic Supervisor		14.05.2024
Dean		14.05.2024
Deputy Director	KUZMIN P.V.	14.05.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	22.05.2024

* Subject type:

Compulsory course
 Elective course
 Optional course

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