



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: School of Computer Science, Physics and
Technology, HSE - Saint Petersburg
1 st, 2025/2026 academic year

APPROVED

30.05.2025

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 4 years

Years of Study: 2025/2026 - 2028/2029

Mode of Study: Full Time

Degree: Bachelor's degree

Block Code	Course	Subject type	Department	Period of execution	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	департамент информатики		6,00	228	72			40	32A	
2	Algorithms and Data Structures	C	департамент информатики		6,00	228	124	28	24A	40	32A	
3	Discrete Mathematics	C	департамент информатики		6,00	228	124	28	24A	40	32A	
4	Computer Science	C	School of Computer Engineering		4,00	152	56	28A	28A			
5	Calculus	C	департамент информатики		9,00	342	174	42	36A	60	36A	
6	Object-Oriented Programming	C	департамент информатики		4,00	152	52			20	32A	
7	Physics	C	департамент физики		7,00	266	104		28	40A	36A	
8	Programming Languages	C	департамент информатики		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	
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	

