



National Research University Higher School of Economics (HSE)

Curriculum  
 Field of study 09.03.01 Information Science and Computation  
 Technology  
 Educational Programme "Information Science and Computation  
 Technology"  
 Implementing unit: Tikhonov Moscow Institute of Electronics and  
 Mathematics, HSE - Moscow  
 1 st, 2022/2023 academic year

APPROVED  
 13.04.2022  
 Vice Rector  
 ROSHCHIN S.Y.  
 Signed with EDS

Length of Programme: 4 years  
 Years of Study: 2022/2023 - 2025/2026  
 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	
<b>Degree Programme</b>				<b>60,00</b>	<b>2 480</b>	<b>949</b>	<b>174</b>	<b>222</b>	<b>300</b>	<b>253</b>	
<b>Data Culture</b>						<b>3</b>				<b>3</b>	
1	Independent Digital Literacy Test	C	Center for Support and Monitoring of Degree Programs			3				3A	
<b>Major</b>				<b>55,00</b>	<b>2 090</b>	<b>752</b>	<b>106</b>	<b>170</b>	<b>264</b>	<b>212</b>	
<b>Core Professional Block (Major)</b>				<b>45,00</b>	<b>1 710</b>	<b>638</b>	<b>92</b>	<b>154</b>	<b>200</b>	<b>192</b>	
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	Computer Science	C	School of Computer Engineering	4,00	152	56	28	28A			
4	Algorithmization and Programming	C				2				2A	
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	
<b>Elective Professional Block (Major)</b>				<b>10,00</b>	<b>380</b>	<b>114</b>	<b>14</b>	<b>16</b>	<b>64</b>	<b>20</b>	
<b>Дисциплины по выбору ОП</b>				<b>3,00</b>	<b>114</b>	<b>52</b>	<b>14</b>	<b>16</b>	<b>22</b>		
1	Computer-based Workshop on Engineering Graphics	C	School of Computer Engineering	3,00	114	52	14	16A	22A		
<b>Научно-исследовательский и проектный семинар</b>				<b>7,00</b>	<b>266</b>	<b>62</b>			<b>42</b>	<b>20</b>	
1	Project Seminar "Python in Data Science"	C	School of Computer Engineering	5,00	190	42			22	20A	

2	Project Seminar 1	C	School of Computer Engineering	2,00	76	20			20A		
	<b>English</b>					<b>2</b>				<b>2</b>	
	<b>Optional Courses</b>										
1	English	O		8,00	304	128	20	28A	40	40A	Foreign language, Credits only to the cumulative rating
	<b>Examinations</b>					<b>2</b>				<b>2</b>	
1	English Language Integrative Exam	C	School of Foreign Languages			2				2A	Foreign language
	<b>General Courses</b>			<b>5,00</b>	<b>390</b>	<b>192</b>	<b>68</b>	<b>52</b>	<b>36</b>	<b>36</b>	
	<b>Optional General Courses</b>			<b>4,00</b>	<b>152</b>	<b>30</b>	<b>14</b>	<b>16</b>			
1	Elective courses	E		4,00	152	30	14	16A			
	<b>Core General Courses</b>			<b>1,00</b>	<b>238</b>	<b>162</b>	<b>54</b>	<b>36</b>	<b>36</b>	<b>36</b>	
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	

**Curriculum agreed:**

Academic Supervisor	POLESSKIY S.N.	07.04.2022
Dean	KROUK E.A.	08.04.2022
Head of Degree Programmes Development Office	MAMONOVA M.A.	12.04.2022

\* Subject type:

Compulsory course  
 Elective course  
 Optional course

C  
 E  
 O