

## National Research University Higher School of Economics (HSE)

## Curriculum

Field of study 01.03.01 Mathematics  
 Educational Programme "Mathematics"  
 Faculty of Mathematics, HSE - Moscow  
 1 st, 2021/2022 academic year

APPROVED by  
 Vice Rector

ROSHCHIN Y.S.  
 10.06.2021

Length of Programme: 4 years  
 Years of Study: 2021/2022 - 2024/2025  
 Mode of Study: Full Time  
 Degree: Bachelor's degree

Number of Students: 95  
 Number of Groups: 5

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</b>	<b>2 584</b>	<b>1 368</b>	<b>288</b>	<b>296</b>	<b>392</b>	<b>392</b>	
	<b>Data Culture</b>					<b>3</b>				<b>3</b>	
1	Independent Digital Competence Assessment. Digital Literacy	C	центр поддержки и мониторинга образовательных программ			3				3A	
	<b>Major</b>			<b>54</b>	<b>2 052</b>	<b>1 055</b>	<b>210</b>	<b>228</b>	<b>312</b>	<b>305</b>	
	<b>Core Professional Block (Major)</b>			<b>45</b>	<b>1 710</b>	<b>964</b>	<b>192</b>	<b>208</b>	<b>284</b>	<b>280</b>	
	<b>Subject Areas</b>			<b>45</b>	<b>1 710</b>	<b>964</b>	<b>192</b>	<b>208</b>	<b>284</b>	<b>280</b>	
	<b>Algebra</b>			<b>11</b>	<b>418</b>	<b>216</b>	<b>42</b>	<b>48</b>	<b>66</b>	<b>60</b>	
1	Algebra	C	Faculty of Mathematics	11	418	216	42	48A	66	60A	
	<b>Analysis</b>			<b>11</b>	<b>418</b>	<b>252</b>	<b>50</b>	<b>56</b>	<b>76</b>	<b>70</b>	
1	Calculus	C	Faculty of Mathematics	11	418	252	50	56A	76	70A	
	<b>Geometry and Topology</b>			<b>19</b>	<b>722</b>	<b>446</b>	<b>50</b>	<b>104</b>	<b>142</b>	<b>150</b>	
1	Introduction to Topology	C	Faculty of Mathematics	8	304	194		48	66A	80A	
2	Геометрия	C	Faculty of Mathematics	11	418	252	50	56A	76	70A	
	<b>Discrete Mathematics</b>			<b>4</b>	<b>152</b>	<b>50</b>	<b>50</b>				
1	Discrete Mathematics	C	Faculty of Mathematics	4	152	50	50A				
	<b>Elective Professional Block (Major)</b>			<b>9</b>	<b>342</b>	<b>91</b>	<b>18</b>	<b>20</b>	<b>28</b>	<b>25</b>	
	<b>Научно-исследовательские семинары из РУПа факультетских дисциплин, сервисные, прикладные и исследовательские проекты на 6 з.е.</b>			<b>6</b>	<b>228</b>	<b>72</b>	<b>14</b>	<b>16</b>	<b>22</b>	<b>20</b>	
1	Научно-исследовательские семинары из РУПа факультетских дисциплин, сервисные, прикладные и исследовательские проекты на 6 з.е.	E		6	228	72	14	16A	22	20A	
	<b>Тривиум</b>			<b>3</b>	<b>114</b>	<b>19</b>	<b>4</b>	<b>4</b>	<b>6</b>	<b>5</b>	

1	Research Seminar "Trivium. Mathematics"	C	Faculty of Mathematics	3	114	19	4	4A	6	5A	
	<b>English</b>				<b>304</b>	<b>146</b>	<b>24</b>	<b>32</b>	<b>44</b>	<b>46</b>	
	<b>Optional Courses</b>				<b>304</b>	<b>144</b>	<b>24</b>	<b>32</b>	<b>44</b>	<b>44</b>	
1	English	O		8	304	144	24	32A	44	44A	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>1</b>	<b>38</b>	<b>162</b>	<b>54</b>	<b>36</b>	<b>36</b>	<b>36</b>	
	<b>Core General Courses</b>			<b>1</b>	<b>38</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	38	18	18A				Online Course
2	Physical Training	C	Department of Physical Training			144	36	36	36	36A	
	<b>Internship</b>			<b>5</b>	<b>190</b>	<b>2</b>				<b>2</b>	
	<b>Research Internship</b>			<b>5</b>	<b>190</b>	<b>2</b>				<b>2</b>	
1	Term Paper	C		5	190	2				2A	

Academic Supervisor

KLIMENKO A.V.

24.05.2021

Dean

SKRIPCHENKO A.S.

24.05.2021

Head of Degree Programmes  
Development Office

MAMONOVA M.A.

10.06.2021

\* Subject type:

Compulsory course

C

Elective course

E

Optional course

O