



National Research University Higher School of Economics (HSE)

Curriculum  
 Field of study 01.03.02 Applied Mathematics and Information  
 Science,  
 38.03.04 Public Administration,  
 37.03.01 Psychology,  
 41.03.04 Political Science,  
 39.03.01 Sociology

Educational Programme "Computational Social Sciences"  
 Specializations: "Computational Analytics in State Governance",  
 "Computational Analytics in State Governance with Advanced  
 Curriculum in Applied Mathematics and Information Science",  
 "Computational Political Science", "Computational Political  
 Science with Advanced Curriculum in Applied Mathematics and  
 Information Science", "Computational Psychology",  
 "Computational Psychology with Advanced Curriculum in  
 Applied Mathematics and Information Science", "Computational  
 Sociology", "Computational Sociology with Advanced  
 Curriculum in Applied Mathematics and Information Science"  
 Implementing unit: Faculty of Social Sciences, HSE - Moscow  
 1 st, 2022/2023 academic year

APPROVED

22.06.2022

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>2 280</b>	<b>843</b>	<b>516</b>	<b>540</b>	<b>804</b>	<b>603</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>58,00</b>	<b>2 204</b>	<b>818</b>	<b>498</b>	<b>540</b>	<b>804</b>	<b>598</b>	
<b>Core Professional Block (Major)</b>				<b>39,00</b>	<b>1 482</b>	<b>580</b>	<b>118</b>	<b>132</b>	<b>180</b>	<b>158</b>	
1	Algorithms and Data Structures	C	Department of Big Data and Information Retrieval	9,00	342	144		64A		80A	
2	Discrete Mathematics	C	Department of Higher Mathematics	6,00	228	64	28	36A			
3	Linear Algebra and Geometry	C	Department of Higher Mathematics	8,00	304	120		32A	48	40A	
4	Calculus	C	Department of Higher Mathematics	8,00	304	120	38A		44	38A	

5	C++ Programming	C	Department of Big Data and Information Retrieval	4,00	152	80			80A		
6	Python Programming Language	C	Joint Department with Yandex	4,00	152	52	52A				Online Course
<b>Elective Professional Block (Major)</b>				<b>19,00</b>	<b>722</b>	<b>238</b>	<b>380</b>	<b>408</b>	<b>624</b>	<b>440</b>	
<b>Дисциплины специализаций</b>				<b>19,00</b>	<b>722</b>	<b>238</b>	<b>380</b>	<b>408</b>	<b>624</b>	<b>440</b>	
<b>Computational Analytics in State Governance</b>				<b>19,00</b>	<b>722</b>	<b>238</b>	<b>66</b>	<b>48</b>	<b>76</b>	<b>48</b>	
<b>Compulsory Disciplines of Computational Analytics in State Governance</b>				<b>19,00</b>	<b>722</b>	<b>238</b>	<b>66</b>	<b>48</b>	<b>76</b>	<b>48</b>	
1	The History of Political Thought	C	School of Politics and Governance	8,00	304	148	36	36A	38	38A	
2	General Management	C	департамент стратегического и международного менеджмента	6,00	228	42	30	12A			
3	Legal foundations of public power, management and public service	C	School of Politics and Governance	5,00	190	48			38	10A	
<b>Computational Analytics in State Governance with Advanced Curriculum in Applied Mathematics and Information Science</b>				<b>19,00</b>	<b>722</b>	<b>238</b>	<b>66</b>	<b>48</b>	<b>76</b>	<b>48</b>	
1	The History of Political Thought	C	School of Politics and Governance	8,00	304	148	36	36A	38	38A	
2	General Management	C	департамент стратегического и международного менеджмента	6,00	228	42	30	12A			
3	Legal foundations of public power, management and public service	C	School of Politics and Governance	5,00	190	48			38	10A	
<b>Computational Political Science</b>				<b>19,00</b>	<b>722</b>	<b>276</b>	<b>66</b>	<b>66</b>	<b>72</b>	<b>72</b>	
<b>Compulsory Disciplines of Computational Political Science</b>				<b>19,00</b>	<b>722</b>	<b>276</b>	<b>66</b>	<b>66</b>	<b>72</b>	<b>72</b>	
1	The History of Political Thought	C	School of Politics and Governance	8,00	304	148	36	36A	38	38A	
2	The History of Modern Russia	C	School of Politics and Governance	6,00	228	68			34	34A	
3	Categories of Political Science	C	School of Politics and Governance	5,00	190	60	30	30A			
<b>Computational Political Science with Advanced Curriculum in Applied Mathematics and Information Science</b>				<b>19,00</b>	<b>722</b>	<b>276</b>	<b>66</b>	<b>66</b>	<b>72</b>	<b>72</b>	
1	The History of Political Thought	C	School of Politics and Governance	8,00	304	148	36	36A	38	38A	
2	The History of Modern Russia	C	School of Politics and Governance	6,00	228	68			34	34A	
3	Categories of Political Science	C	School of Politics and Governance	5,00	190	60	30	30A			
<b>Computational Psychology</b>				<b>19,00</b>	<b>722</b>	<b>184</b>	<b>28</b>	<b>54</b>	<b>72</b>	<b>30</b>	
<b>Compulsory Disciplines of Computational Psychology</b>				<b>19,00</b>	<b>722</b>	<b>184</b>	<b>28</b>	<b>54</b>	<b>72</b>	<b>30</b>	
1	Introduction to Psychology	C	Department of Psychology	5,00	190	60	28	32A			
2	Мозг и психика	C	Department of Psychology	5,00	190	6		2	4A		Online Course

3	Research Seminar: Legal and Ethical Foundations of Psychological Practice	C	Department of Psychology	4,00	152	42		20	22A		
4	Psychology of Motivation and Emotions	C	Department of Psychology	5,00	190	76			46	30A	
<b>Computational Psychology with Advanced Curriculum in Applied Mathematics and Information Science</b>				<b>19,00</b>	<b>722</b>	<b>184</b>	<b>28</b>	<b>54</b>	<b>72</b>	<b>30</b>	
1	Introduction to Psychology	C	Department of Psychology	5,00	190	60	28	32A			
2	Мозг и психика	C	Department of Psychology	5,00	190	6		2	4A		Online Course
3	Research Seminar: Legal and Ethical Foundations of Psychological Practice	C	Department of Psychology	4,00	152	42		20	22A		
4	Psychology of Motivation and Emotions	C	Department of Psychology	5,00	190	76			46	30A	
<b>Computational Sociology</b>				<b>19,00</b>	<b>722</b>	<b>228</b>	<b>30</b>	<b>36</b>	<b>92</b>	<b>70</b>	
<b>Compulsory Disciplines of Computational Sociology</b>				<b>19,00</b>	<b>722</b>	<b>228</b>	<b>30</b>	<b>36</b>	<b>92</b>	<b>70</b>	
1	Why We Post: Anthropology of Social Media	C	Department of Sociology	4,00	152	6		4	2A		Online Course
2	Marginality: The Basics of Social Theory	C	Department of Sociology	3,00	114	6		4	2A		Online Course
3	Social History	C	School of History	4,00	152	80			40	40A	Online Course
4	Sociological Theory	C	Department of Sociology	8,00	304	136	30	28A	48	30A	
<b>Computational Sociology with Advanced Curriculum in Applied Mathematics and Information Science</b>				<b>19,00</b>	<b>722</b>	<b>228</b>	<b>30</b>	<b>36</b>	<b>92</b>	<b>70</b>	
<b>Compulsory Disciplines of Computational Sociology AMIS</b>				<b>19,00</b>	<b>722</b>	<b>228</b>	<b>30</b>	<b>36</b>	<b>92</b>	<b>70</b>	
1	Why We Post: Anthropology of Social Media	C	Department of Sociology	4,00	152	6		4	2A		Online Course
2	Marginality: The Basics of Social Theory	C	Department of Sociology	3,00	114	6		4	2A		Online Course
3	Social History	C	School of History	4,00	152	80			40	40A	Online Course
4	Sociological Theory	C	Department of Sociology	8,00	304	136	30	28A	48	30A	
<b>English</b>						<b>2</b>					
<b>Optional Courses</b>											
1	English Language	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>1,00</b>	<b>38</b>	<b>18</b>	<b>18</b>				
<b>Core General Courses</b>				<b>1,00</b>	<b>38</b>	<b>18</b>	<b>18</b>				
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	18A				Online Course
<b>Internship</b>				<b>1,00</b>	<b>38</b>	<b>2</b>				<b>2</b>	
<b>Project Internship</b>				<b>1,00</b>	<b>38</b>	<b>2</b>				<b>2</b>	
1	Project Activity	E		1,00	38	2				2A	

**Curriculum agreed:**

Academic Supervisor

SEDASHOV E.A.

17.06.2022

Dean MELVILLE A.Y. 20.06.2022

Head of Degree Programmes  
Development Office MAMONOVA M.A. 22.06.2022

\* Subject type:

Compulsory course

C

Elective course

E

Optional course

O