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
2 nd, 2024/2025 academic year

APPROVED

19.04.2024

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 4 years
Years of Study: 2023/2024 - 2026/2027
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 Progamme			**60,00**	**2 280**	**934**	**206**	**208**	**231**	**245**	
	Data Culture					**6**		**2**		**4**	
1	External Examinations on Digital Skills. Entry-level	C	отдел развития цифровых компетенций			2		2A			
2	External Examinations on Digital Skills. Intermediate Level	C	отдел развития цифровых компетенций			2				2A	
3	Independent Programming Test. Advanced Level	C	отдел развития цифровых компетенций			2				2A	Online Course
	Major			**38,00**	**1 444**	**548**	**128**	**124**	**124**	**128**	
	Core Professional Block (Major)			**17,00**	**646**	**256**	**64**	**64**	**64**	**64**	
1	Calculus-2	C	Department of Higher Mathematics	8,00	304	120	30	30A	30	30A	
2	Probability Theory and Mathematical Statistics	C	Department of Higher Mathematics	9,00	342	136	34	34A	34	34A	
	Elective Professional Block (Major)			**21,00**	**798**	**292**	**64**	**60**	**60**	**64**	

#	Discipline		Department	18,00	684	232	64	60	60	64	
	Дисциплины специализаций			**18,00**	**684**	**232**	**64**	**60**	**60**	**64**	
	Computational Analytics in State Governance			**18,00**	**684**	**232**	**54**	**54**	**60**	**64**	
	Compulsory Disciplines of Computational Analytics in State Governance			**18,00**	**684**	**232**	**54**	**54**	**60**	**64**	
1	Macroeconomics	C	Department of Theoretical Economics	8,00	304	124	30	28A	32	34A	
2	Public Finance	C	School of Politics and Governance	5,00	190	50	24	26A			
3	Public Economics	C	Department of Applied Economics	5,00	190	58			28	30A	Online Course
	Computational Analytics in State Governance with Advanced Curriculum in Applied Mathematics and Information Science			**18,00**	**684**	**232**	**54**	**54**	**60**	**64**	
1	Macroeconomics	C	Department of Theoretical Economics	8,00	304	124	30	28A	32	34A	
2	Public Finance	C	School of Politics and Governance	5,00	190	50	24	26A			
3	Public Economics	C	Department of Applied Economics	5,00	190	58			28	30A	Online Course
	Computational Political Science			**18,00**	**684**	**230**	**52**	**58**	**60**	**60**	
	Compulsory Disciplines of Computational Political Science			**18,00**	**684**	**230**	**52**	**58**	**60**	**60**	
1	Qualitative Methods in Political Research	C	School of Politics and Governance	4,00	152	52	26	26A			
2	Political Psychology	C	Department of Psychology	4,00	152	64			32	32A	
3	Contemporary Russian Politics	C	School of Politics and Governance	5,00	190	56			28	28A	
4	Comparative Politics	C	Department of Political Science and International Affairs	5,00	190	58	26	32A			Foreign language
	Computational Political Science with Advanced Curriculum in Applied Mathematics and Information Science			**18,00**	**684**	**230**	**52**	**58**	**60**	**60**	
1	Qualitative Methods in Political Research	C	School of Politics and Governance	4,00	152	52	26	26A			
2	Political Psychology	C	Department of Psychology	4,00	152	64			32	32A	
3	Contemporary Russian Politics	C	School of Politics and Governance	5,00	190	56			28	28A	
4	Comparative Politics	C	Department of Political Science and International Affairs	5,00	190	58	26	32A			Foreign language
	Computational Psychology			**18,00**	**684**	**286**	**54**	**66**	**94**	**72**	
	Compulsory Disciplines of Computational Psychology			**18,00**	**684**	**286**	**54**	**66**	**94**	**72**	
1	Clinical Psychology	C	Department of Psychology	4,00	152	72			40	32A	
2	Cognitive Psychology	C	Department of Psychology	7,00	266	144	28	30A	46	40A	
3	Introduction to computation psychology	C	School of Politics and Governance	2,00	76	16		8	8A		
4	Experimental Psychology	C	Department of Psychology	5,00	190	54	26	28A			
	Computational Psychology with Advanced Curriculum in Applied Mathematics and Information Science			**18,00**	**684**	**286**	**54**	**66**	**94**	**72**	
1	Clinical Psychology	C	Department of Psychology	4,00	152	72			40	32A	
2	Cognitive Psychology	C	Department of Psychology	7,00	266	144	28	30A	46	40A	

№	Course	Type	Department	Credits	Hours						Comments
3	Introduction to computation psychology	C	School of Politics and Governance	2,00	76	16			8	8A	
4	Experimental Psychology	C	Department of Psychology	5,00	190	54	26	28A			
	Computational Sociology			**18,00**	**684**	**222**	**62**	**60**	**72**	**28**	
	Compulsory Disciplines of Computational Sociology			**18,00**	**684**	**222**	**62**	**60**	**72**	**28**	
1	Quantitative Methods of Sociological Research	C	Department of Sociology	6,00	228	100	30	30A	40A		
2	Foundation of Economic Sociology	C	Department of Sociology	6,00	228	60			32	28A	
3	Sociological Theory	C	Department of Sociology	6,00	228	62	32	30A			
	Computational Sociology with Advanced Curriculum in Applied Mathematics and Information Science			**18,00**	**684**	**222**	**62**	**60**	**72**	**28**	
	Compulsory Disciplines of Computational Sociology AMIS			**18,00**	**684**	**222**	**62**	**60**	**72**	**28**	
1	Quantitative Methods of Sociological Research	C	Department of Sociology	6,00	228	100	30	30A	40A		
2	Foundation of Economic Sociology	C	Department of Sociology	6,00	228	60			32	28A	
3	Sociological Theory	C	Department of Sociology	6,00	228	62	32	30A			
	Disciplines of specializations with Advanced Curriculum in Applied Mathematics and Information Science			**12,00**	**456**	**178**	**58**		**60**	**60**	
1	Algorithms and Data Structures 2	E	Department of Psychology	4,00	152	58	58A				
2	Computer Architecture and Operating Systems	E	Department of Psychology	8,00	304	120			60	60A	
	Research seminar			**3,00**	**114**	**60**		**30**	**30**		
1	Research seminar "Methodology and research methods of social sciences"	C	School of Politics and Governance	3,00	114	60		30	30A		
	Minor			**10,00**	**380**	**152**	**38**	**38**	**38**	**38**	
1	Minor	E		10,00	380	152	38	38A	38	38A	
	English										
	Optional Courses										
1	English Language	O		6,00	228	100	32	28	40A		Foreign language, Credits only to the cumulative rating
	General Courses			**5,00**	**190**	**220**	**40**	**44**	**68**	**68**	
	Optional General Courses			**4,00**	**152**	**76**	**12**	**16**	**24**	**24**	
1	Russian History	C	School of History	4,00	152	76	12	16A	24	24A	Online Course
	Core General Courses			**1,00**	**38**	**144**	**28**	**28**	**44**	**44**	
1	Physical Training	C	Department of Physical Training	1,00	38	144	28	28	44	44A	
	Internship			**7,00**	**266**	**8**			**1**	**7**	
	Research Internship			**5,00**	**190**	**6**				**6**	
1	Курсовая работа	C		5,00	190	6				6A	
	Project Internship			**2,00**	**76**	**2**			**1**	**1**	
1	Project	E		2,00	76	2			1	1A	

Curriculum agreed:

Academic Supervisor	SEDASHOV E.A.	29.03.2024
Dean	MELVILLE A.Y.	29.03.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	19.04.2024

* Subject type:

Compulsory course	C
Elective course	E
Optional course	O