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, 2023/2024 academic year

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	
	Degree Progamme			**60,00**	**2 280**	**1 022**	**230**	**262**	**273**	**253**	
	Data Culture					**6**				**2**	
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			**40,00**	**1 520**	**568**	**120**	**152**	**162**	**134**	
	Core Professional Block (Major)			**27,00**	**1 026**	**400**	**96**	**96**	**104**	**104**	
1	Macroeconomics	C	Department of Theoretical Economics	6,00	228	80			40	40A	
2	Calculus	C	Department of Higher Mathematics	8,00	304	120	30	30A	30	30A	

№	Discipline		Department	Credits	Hours						Notes
3	Microeconomics	C	Department of Theoretical Economics	4,00	152	64	32	32A			
4	Probability Theory and Mathematical Statistics	C	Department of Higher Mathematics	9,00	342	136	34	34A	34	34A	
	Elective Professional Block (Major)			**13,00**	**494**	**168**	**24**	**56**	**58**	**30**	
	Дисциплины специализаций			**10,00**	**380**	**108**	**24**	**26**	**28**	**30**	
	Computational Analytics in State Governance			**10,00**	**380**	**108**	**24**	**26**	**28**	**30**	
	Compulsory Disciplines of Computational Analytics in State Governance			**10,00**	**380**	**108**	**24**	**26**	**28**	**30**	
1	Public Finance	C	School of Politics and Governance	5,00	190	50	24	26A			
2	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			**10,00**	**380**	**108**	**24**	**26**	**28**	**30**	
1	Public Finance	C	School of Politics and Governance	5,00	190	50	24	26A			
2	Public Economics	C	Department of Applied Economics	5,00	190	58			28	30A	Online Course
	Computational Political Science			**10,00**	**380**	**114**	**26**	**32**	**28**	**28**	
	Compulsory Disciplines of Computational Political Science			**10,00**	**380**	**114**	**26**	**32**	**28**	**28**	
1	Contemporary Russian Politics	C	School of Politics and Governance	5,00	190	56			28	28A	
2	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			**10,00**	**380**	**114**	**26**	**32**	**28**	**28**	
1	Contemporary Russian Politics	C	School of Politics and Governance	5,00	190	56			28	28A	
2	Comparative Politics	C	Department of Political Science and International Affairs	5,00	190	58	26	32A			Foreign language
	Computational Psychology			**10,00**	**380**	**126**	**32**	**28**	**36**	**30**	
	Compulsory Disciplines of Computational Psychology			**10,00**	**380**	**126**	**32**	**28**	**36**	**30**	
1	Cognitive Psychology	C	Department of Psychology	7,00	266	120	26	28A	36	30A	
2	Speech Etiquette: Politeness and Communication Strategies	C	Department of Psychology	3,00	114	6	6A				Online Course
	Computational Psychology with Advanced Curriculum in Applied Mathematics and Information Science			**10,00**	**380**	**126**	**32**	**28**	**36**	**30**	
1	Cognitive Psychology	C	Department of Psychology	7,00	266	120	26	28A	36	30A	
2	Speech Etiquette: Politeness and Communication Strategies	C	Department of Psychology	3,00	114	6	6A				Online Course
	Computational Sociology			**10,00**	**380**	**102**	**32**	**30**	**40**		
	Compulsory Disciplines of Computational Sociology			**10,00**	**380**	**102**	**32**	**30**	**40**		
1	The Political Economy of Development	C	Department of Sociology	4,00	152	40			40A		Foreign language
2	Sociological Theory	C	Department of Sociology	6,00	228	62	32	30A			

No.	Subject	Type*	Department								Note
	Computational Sociology with Advanced Curriculum in Applied Mathematics and Information Science			**10,00**	**380**	**102**	**32**	**30**	**40**		
	Compulsory Disciplines of Computational Sociology AMIS			**10,00**	**380**	**102**	**32**	**30**	**40**		
1	The Political Economy of Development	C	Department of Sociology	4,00	152	40			40A		Foreign language
2	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**	**180**	**28**	**32**	**60**	**60**	
1	Algorithms and Data Structures 2	E	Department of Big Data and Information Retrieval	4,00	152	60	28	32A			
2	Computer Architecture and Operating Systems	E	Department of Big Data and Information Retrieval	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	104	28	32	44A		Foreign language, Credits only to the cumulative rating
	General Courses			**1,00**	**38**	**288**	**72**	**72**	**72**	**72**	
	Core General Courses			**1,00**	**38**	**288**	**72**	**72**	**72**	**72**	
1	Physical Training	C	Department of Physical Training	1,00	38	288	72	72	72	72A	
	Internship			**9,00**	**342**	**8**			**1**	**7**	
	Research Internship			**7,00**	**266**	**6**				**6**	
1	Курсовая работа	C		7,00	266	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.	13.04.2023
Dean	MELVILLE A.Y.	13.04.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	25.04.2023

* Subject type:

Compulsory course	C
Elective course	E
Optional course	O