National Research University Higher School of Economics (HSE)

Curriculum
Field of study 05.04.02 Geography
Educational Programme "Spatial Data and Applied Geoanalytics"
Trajectories: "Geoanalytics for Making Decision in Business and Government", "Spatial Data Science for Nature and Society Research"
Implementing unit: Faculty of Geography and Geoinformation Technology, HSE - Moscow
1 st, 2024/2025 academic year

APPROVED
02.05.2024
Vice Rector
ROSHCHIN S.Y.
Signed with EDS

Length of Programme: 2 years
Years of Study: 2024/2025 - 2025/2026
Mode of Study: Full Time
Degree: Master's degree / MBA

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
	Degree Programme			**60,00**	**2 280**	**320**	**64**	**92**	**96**	**72**	
	Geoanalytics for Making Decision in Business and Government (Applied track)			**60,00**	**2 280**	**328**	**64**	**92**	**98**	**74**	
	Major			**30,00**	**1 140**	**284**	**56**	**84**	**86**	**58**	
	Compulsory Courses			**30,00**	**1 140**	**284**	**56**	**84**	**86**	**58**	
1	"Territory Matrix": Relationships between Regional Development Components	C	Vysokovsky Graduate School of Urbanism	6,00	228	60			30	30A	
2	Mathematical Models in Geospatial Studies	C	Faculty of Geography and Geoinformation Technology	6,00	228	56		28	28A		
3	Machine Learning in Geospatial Studies	C	Faculty of Geography and Geoinformation Technology	6,00	228	56			28	28A	
4	Introduction to the Spatial Data Analysis	C	Faculty of Geography and Geoinformation Technology	6,00	228	56	28	28A			
5	GIS Tools for Environmental Management	C	Faculty of Geography and Geoinformation Technology	6,00	228	56	28	28A			
	Key Seminars			**6,00**	**228**	**40**	**8**	**8**	**12**	**12**	
1	Mentor's Seminar. Geo-Analytics in Business-to-Business and Business-to-Government Management	C	Faculty of Geography and Geoinformation Technology	6,00	228	40	8	8	12	12A	
	Magolego			**6,00**	**228**						
1	All-university Pool MAGOLEGO Courses	C		6,00	228						
	Internship			**18,00**	**684**	**4**				**4**	

	Project Internship			**6,00**	**228**	**2**				**2**	
1	Applied Project: Geoanalytics Tools for Spatially Oriented Solutions	C		6,00	228	2				2A	
	Professional Internship			**12,00**	**456**	**2**				**2**	
1	Work Experience Internship	C		12,00	456	2				2A	
	Spatial Data Science for Nature and Society Research (Research track)			**60,00**	**2 280**	**328**	**64**	**92**	**98**	**74**	
	Major			**30,00**	**1 140**	**284**	**56**	**84**	**86**	**58**	
	Compulsory Courses			**30,00**	**1 140**	**284**	**56**	**84**	**86**	**58**	
1	"Territory Matrix": Relationships between Regional Development Components	C	Vysokovsky Graduate School of Urbanism	6,00	228	60			30	30A	
2	Mathematical Models in Geospatial Studies	C	Faculty of Geography and Geoinformation Technology	6,00	228	56		28	28A		
3	Machine Learning in Geospatial Studies	C	Faculty of Geography and Geoinformation Technology	6,00	228	56			28	28A	
4	Introduction to the Spatial Data Analysis	C	Faculty of Geography and Geoinformation Technology	6,00	228	56	28	28A			
5	GIS Tools for Environmental Management	C	Faculty of Geography and Geoinformation Technology	6,00	228	56	28	28A			
	Key Seminars			**6,00**	**228**	**40**	**8**	**8**	**12**	**12**	
1	Mentor's Seminar. Spatial Data Science for Studying Nature and Society	C	Faculty of Geography and Geoinformation Technology	6,00	228	40	8	8	12	12A	
	Magolego			**6,00**	**228**						
1	All-university Pool MAGOLEGO Courses	C		6,00	228						Foreign language
	Internship			**18,00**	**684**	**4**				**4**	
	Research Internship			**6,00**	**228**	**2**				**2**	
1	Research project: Data Science Methods in Studying Nature and Society	C		6,00	228	2				2A	
	Professional Internship			**12,00**	**456**	**2**				**2**	
1	Science and Research Internship	C		12,00	456	2				2A	

Curriculum agreed:

Academic Supervisor	Aniskina T.A.	26.04.2024
Dean	KURICHEV N.K.	26.04.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	26.04.2024

* Subject type:

Compulsory course	C