



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 05.03.02 Geography

Educational Programme "Geography of Global Changes and Geoinformation Technology"

Specializations: " Geoinformation Technology and Spatial Modeling", "Global Environmental and Climate Change", "Human Geography and Spatial Decisions"

Implementing unit: Faculty of Geography and Geoinformation Technology, HSE - Moscow

2 nd, 2024/2025 academic year

APPROVED

27.04.2024

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 Programme				60,00	2 280	1 014	220	226	254	236	
Data Culture				3,00	114	46	40	2		4	
1	Introduction to Python for Data Science	C	Faculty of Geography and Geoinformation Technology	3,00	114	40	40A				
2	External Examinations on Digital Skills. Entry-level	C	отдел развития цифровых компетенций			2		2A			
3	External Examinations on Digital Skills. Intermediate Level	C	отдел развития цифровых компетенций			2				2A	
4	Independent Programming Test. Intermediate	C	отдел развития цифровых компетенций			2				2A	Online Course
Major				39,00	1 482	740	130	176	188	168	
Core Professional Block (Major)				33,00	1 254	662	130	176	188	168	
Disciplines on the basics of physical and social geography				19,00	722	296	84	84	68	60	
Disciplines on the basics of social geography				9,00	342	128	42	42	24	20	
1	Geography of Rural Space	C	Faculty of Geography and Geoinformation Technology	3,00	114	42		42A			
2	Sociological Methods in Human Geography	C	Faculty of Geography and Geoinformation Technology	3,00	114	44			24	20A	
3	Theories of Urban Development	C	Faculty of Geography and Geoinformation Technology	3,00	114	42	42A				
Disciplines on the basics of physical geography				10,00	380	168	42	42	44	40	
1	Earth System Components: Ocean and Cryosphere	C	Faculty of Geography and Geoinformation Technology	4,00	152	84	42A	42A			

2	Landscape Ecology	C	Faculty of Geography and Geoinformation Technology	3,00	114	40				40A	
3	Palaeogeography	C	Faculty of Geography and Geoinformation Technology	3,00	114	44			44A		
Disciplines on the basics of digital cartography, geoinformation technologies and remote sensing methods				8,00	304	174	46	60	40	28	
1	Spatial data integration, visualization and analysis	C	Faculty of Geography and Geoinformation Technology	5,00	190	120	24	28A	40	28A	
2	Remote Sensing Fundamentals: Applied Aspects	C	Faculty of Geography and Geoinformation Technology	3,00	114	54	22A	32A			
Math Disciplines				6,00	228	192		32	80	80	
1	Probability Theory and Mathematical Statistics	C	Department of Applied Economics	6,00	228	192		32	80A	80A	
Elective Professional Block (Major)				6,00	228	78					
Seminars and Career Guidance Disciplines				6,00	228	78					
Research Seminars				3,00	114	30	14	16			
1	Research Seminar «Basics of Geographical Research»	C	Faculty of Geography and Geoinformation Technology	3,00	114	30	14	16A			
Elective Research Seminars				3,00	114	24			12	12	
1	Research Seminar "Spatial Information Crowdsourcing"	E	Faculty of Geography and Geoinformation Technology	3,00	114	80			40	40A	
2	Research Seminar "Systems of Data Monitoring and Databases"	E	Faculty of Geography and Geoinformation Technology	3,00	114	44	22	22A			
3	Research Seminar "Economic Geography and Regional Analysis"	E	Faculty of Geography and Geoinformation Technology	3,00	114	48			24A	24A	
Minor				10,00	380	80	20	20	20	20	
1	Minor	E		10,00	380	80	20	20A	20	20A	
English											
Optional Courses											
1	English	O		6,00	228	100	32	28	40A		Foreign language, Credits only to the cumulative rating
General Courses						144	28	28	44	44	
Core General Courses						144	28	28	44	44	
1	Physical Training	C	Department of Physical Training			144	28	28	44	44A	
Internship				8,00	304	4	2		2		
Project Internship				3,00	114	2			2		
1	2nd Year Project	C		3,00	114	2			2A		
Professional Internship				5,00	190	2	2				
1	Field Practice 1	C				2	2A				
2	Field Practice 2	C		5,00	190						

Curriculum agreed:

Academic Supervisor

Matasov V.M.

26.03.2024

Dean	KURICHEV N.K.	26.03.2024
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Head of Centre for Educational Model Design	LEPESHKIN I.A.	26.04.2024
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* Subject type:

Compulsory course

C

Elective course

E

Optional course

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