



# National Research University Higher School of Economics (HSE)

## Curriculum

Field of study 05.03.02 Geography

Educational Programme "Geography of Global Transformation 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

1 st, 2022/2023 academic year

APPROVED

09.06.2022

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>1 003</b>	<b>256</b>	<b>218</b>	<b>313</b>	<b>216</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>49,00</b>	<b>1 862</b>	<b>814</b>	<b>204</b>	<b>184</b>	<b>262</b>	<b>164</b>	
	<b>Core Professional Block (Major)</b>			<b>45,00</b>	<b>1 710</b>	<b>786</b>	<b>190</b>	<b>170</b>	<b>262</b>	<b>164</b>	
	<b>Disciplines on the basics of physical and social geography</b>			<b>29,00</b>	<b>1 102</b>	<b>466</b>	<b>104</b>	<b>106</b>	<b>160</b>	<b>96</b>	
	<b>Disciplines on the basics of social geography</b>			<b>18,00</b>	<b>684</b>	<b>244</b>	<b>62</b>	<b>62</b>	<b>64</b>	<b>56</b>	
1	Macroeconomics	C	Department of Theoretical Economics	3,00	114	60			32	28A	
2	Microeconomics	C	Department of Theoretical Economics	4,00	152	68	34	34A			
3	Basics of human geography and area studies	C	Faculty of Geography and Geoinformation Technology	5,00	190	60			32	28A	
4	Political Theory Implications in Human Geography	C	Faculty of Geography and Geoinformation Technology	3,00	114	28		28A			
5	Social theory in geographic research	C	Faculty of Geography and Geoinformation Technology	3,00	114	28	28A				
	<b>Disciplines on the basics of physical geography</b>			<b>11,00</b>	<b>418</b>	<b>222</b>	<b>42</b>	<b>44</b>	<b>96</b>	<b>40</b>	
1	Earth System Components: Atmosphere and Hydrosphere	C	Faculty of Geography and Geoinformation Technology	5,00	190	86	42A	44A			

2	Earth System Components: Lythosphere, Pedosphere and Biosphere	C	Faculty of Geography and Geoinformation Technology	6,00	228	136			96A	40A	
	<b>Disciplines on the basics of digital cartography, geoinformation technologies and remote sensing methods</b>			<b>11,00</b>	<b>418</b>	<b>192</b>	<b>58</b>	<b>32</b>	<b>68</b>	<b>34</b>	
1	Remote sensing fundamentals	C	Faculty of Geography and Geoinformation Technology	6,00	228	96	30A	16	34A	16A	
2	Digital cartography and geographic information systems	C	Faculty of Geography and Geoinformation Technology	5,00	190	96	28	16A	34	18A	
	<b>Math Disciplines</b>			<b>5,00</b>	<b>190</b>	<b>128</b>	<b>28</b>	<b>32</b>	<b>34</b>	<b>34</b>	
1	Introduction to Advanced Mathematics	C	Department of Higher Mathematics	5,00	190	128	28	32A	34	34A	
	<b>Elective Professional Block (Major)</b>			<b>4,00</b>	<b>152</b>	<b>28</b>	<b>14</b>	<b>14</b>			
	<b>Seminars and Career Guidance Disciplines</b>			<b>4,00</b>	<b>152</b>	<b>28</b>	<b>14</b>	<b>14</b>			
1	Introduction to Profession	C	Faculty of Geography and Geoinformation Technology	4,00	152	28	14	14A			
	<b>English</b>					<b>2</b>				<b>2</b>	
	<b>Optional Courses</b>										
1	English	O		8,00	304	128	20	28A	40	40A	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>5,00</b>	<b>190</b>	<b>184</b>	<b>52</b>	<b>34</b>	<b>48</b>	<b>50</b>	
	<b>Optional General Courses</b>			<b>4,00</b>	<b>152</b>	<b>30</b>			<b>14</b>	<b>16</b>	
1	Legal Literacy	C	департамент права цифровых технологий и биоправа	4,00	152	30			20	10A	Online Course
	<b>Core General Courses</b>			<b>1,00</b>	<b>38</b>	<b>154</b>	<b>52</b>	<b>34</b>	<b>34</b>	<b>34</b>	
1	Physical Training	C	Department of Physical Training			136	34	34	34	34A	
2	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	18A				Online Course
	<b>Internship</b>			<b>6,00</b>	<b>228</b>						
	<b>Professional Internship</b>			<b>6,00</b>	<b>228</b>						
1	Field Practice 1	C		6,00	228						

**Curriculum agreed:**

Academic Supervisor	GUNKO M.S.	07.06.2022
Dean	KURICHEV N.K.	07.06.2022
Head of Degree Programmes Development Office	LEPESHKIN I.A.	08.06.2022

\* Subject type:

Compulsory course  
Elective course  
Optional course

C  
E  
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