



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 07.03.04 Urban Planning
 Educational Programme "Urban Planning"
 Specializations: "Urban Data Analytics", "Urban Projects Development", "Urban Projects Management"
 Implementing unit: Faculty of Urban and Regional Development, HSE - Moscow

APPROVED
 14.06.2024
 Vice Rector
 ROSHCHIN S.Y.
 Signed with EDS

Years of Study: 2024/2025 - 2028/2029

Length of Programme: 5 years

Mode of Study: Full Time

Degree: Bachelor's degree

Block Code	Course	Subject type	Credits	Credits by Years					Planned Educational Programme Development Results
				1	2	3	4	5	
	Degree Programme		300,00	60,00	60,00	60,00	60,00	60,00	
	Major		228,00	47,00	42,00	45,00	48,00	46,00	
	Core Professional Block (Major)		123,00	38,00	29,00	31,00	21,00	4,00	
	Compulsory Courses		123,00	38,00	29,00	31,00	21,00	4,00	
1	Socio-Economic Geography	C	4,00	4,00					GPC-2, GPC-3, PC-5, UC-1, UC-2, UC-5
2	History of Russian Cities	C	4,00	4,00					GPC-3, UC-1, UC-2, UC-4, UC-5
3	Microeconomics	C	5,00	5,00					GPC-3, PC-4, UC-1, UC-2, UC-5, UC-9
4	Methods of Spatial Urban Data Analysis	C	5,00	5,00					GPC-2, GPC-3, PC-1, PC-2, PC-4, UC-4
5	Higher Mathematics	C	12,00	12,00					GPC-4, PC-4, PC-5, UC-1, UC-2
6	Sociology	C	4,00	4,00					GPC-2, GPC-3, PC-1, PC-5, UC-1, UC-2, UC-4, UC-5
7	Russian Cities Geography	C	4,00	4,00					GPC-2, GPC-3, PC-5, UC-1, UC-2, UC-5
8	Macroeconomics	C	5,00		5,00				GPC-3, PC-4, UC-1, UC-2, UC-5, UC-9
9	History of Architecture and Urban Planning	C	5,00		5,00				GPC-4, GPC-5, PC-1, PC-5, UC-1
10	Computer Graphics	C	4,00		4,00				GPC-1, GPC-4, GPC-5, PC-1, PC-5, UC-1, UC-4
11	Urban Sociology	C	4,00		4,00				GPC-2, GPC-3, PC-1, PC-5, UC-1, UC-2, UC-4, UC-5
12	Probability Theory and Mathematical Statistics	C	5,00		5,00				GPC-4, PC-4, PC-5, UC-1, UC-2
13	Basics of City Infrastructure Development	C	3,00		3,00				GPC-5, UC-1, UC-2, UC-3, UC-4
14	Demography	C	3,00		3,00				GPC-3, PC-1, PC-5, UC-1, UC-2, UC-5
15	Neourbanism (offered in a foreign language)	C	4,00					4,00	GPC-5, UC-1, UC-5
16	Housing Policy and Economics	C	4,00				4,00		GPC-3, PC-1, PC-5, UC-1, UC-2, UC-5
17	Digital Urban Studies	C	3,00				3,00		GPC-5, PC-5, UC-3, UC-5
18	Sustainability and Development Policy (offered in a foreign language)	C	3,00				3,00		GPC-3, UC-4, UC-5
19	Urban Economics	C	4,00				4,00		GPC-3, PC-1, PC-5, UC-1, UC-2
20	Theories of Urban Development	C	3,00				3,00		GPC-3, GPC-5, PC-1, UC-1

21	Assessing the Socio-Economic Effects of Urban Development Projects	C	4,00				4,00		GPC-1, GPC-4, GPC-5, PC-5, UC-4, UC-5
22	Statistical Data Analysis	C	4,00			4,00			GPC-4, GPC-5, PC-5, UC-1
23	Local Government	C	4,00			4,00			GPC-3, GPC-4, PC-1, PC-5, UC-2
24	Legal Regulations of Urban Development	C	4,00			4,00			GPC-2, GPC-3, PC-1, PC-2, PC-4, PC-5, UC-1, UC-4
25	Natural-recreational Frame of the City	C	3,00			3,00			GPC-3, PC-5, UC-1, UC-2, UC-5
26	Typology of Urban Transport Systems and Urban Transport Problems	C	4,00			4,00			GPC-3, GPC-4, PC-1, PC-5, UC-1, UC-5
27	Readings in Urban Studies (offered in a foreign language)	C	4,00			4,00			GPC-5, UC-1, UC-4, UC-5
28	Urban Ecology	C	4,00			4,00			GPC-3, GPC-4, UC-1
29	Planning of Development Projects	C	4,00			4,00			GPC-1, GPC-2, GPC-3, PC-2, PC-3, PC-5, UC-1, UC-4, UC-5
Elective Professional Block (Major)			105,00	9,00	13,00	14,00	27,00	42,00	
1 course - variable part			9,00	9,00					
1	Project Seminar "Introduction to Urban Planning"	C	5,00	5,00					GPC-1, GPC-2, GPC-3, GPC-4, PC-5, UC-1, UC-2, UC-3, UC-5, UC-6
2	Research Seminar "Academic Culture of Urban Studies"	C	4,00	4,00					GPC-1, UC-1, UC-4, UC-6
2 курс - НИС и проектные семинары			13,00		13,00				
1	Research Seminar "Urban Anthropology"	C	5,00		5,00				GPC-2, GPC-5, PC-5, UC-1, UC-6
2	Project Seminar "Data Collection and Systematization (on the Example of Residential Development Territories)"	C	8,00		8,00				GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, PC-1, PC-2, PC-3, PC-4, PC-5, UC-1, UC-2, UC-3, UC-6
3 курс - НИС и проектные семинары			14,00			14,00			
1	Research Seminar "Basics of Academic Work"	C	6,00			6,00			UC-1, UC-2, UC-5, UC-6, UC-9
2	Project Seminar "Detection of problems and priorities of territory development (on the example of a city district)"	C	8,00			8,00			GPC-3, PC-4, PC-5, UC-5, UC-6
4 курс - НИС и проектные семинары			11,00				11,00		
1	Research Seminar "Urban Critical Studies"	C	4,00				4,00		GPC-1, GPC-4, GPC-5, PC-5, UC-4, UC-5
2	Project Seminar "Update and Implementation of the Master Plan (on the Example of the Planning City Sector)"	C	7,00				7,00		GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, PC-1, PC-2, PC-3, PC-4, PC-5, UC-2, UC-3, UC-6
5 курс - НИС			5,00					5,00	
1	Research Seminar "Academic Urban Studies"	C	5,00					5,00	GPC-1, GPC-3, PC-5, UC-5
Дисциплины 5 курса по выбору - 1			10,00					10,00	
1	Urban Products and Services	E	5,00					5,00	GPC-4, GPC-5, PC-1, PC-4, UC-1, UC-2, UC-5
2	Housing management	E	5,00					5,00	GPC-4, GPC-5, PC-5, UC-1, UC-2, UC-5
3	Transport Economics	E	5,00					5,00	GPC-3, PC-1, PC-5, UC-1, UC-2, UC-5
Дисциплины 5 курса по выбору - 2			12,00					12,00	
1	Forms of Urban Inequality	E	4,00					4,00	GPC-5, PC-1, PC-5
2	Participatory Urban Planning	E	4,00					4,00	GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-5, UC-1, UC-4

3	Urbantech	E	4,00				4,00	GPC-1, GPC-3, PC-1, UC-1, UC-4
4	Political Geography of the City	E	4,00				4,00	GPC-1, GPC-3, PC-1, PC-5, UC-1, UC-4
5	Urban Childhood	E	4,00				4,00	GPC-1, GPC-3, PC-1, PC-5, UC-1, UC-4
Specialization Courses			31,00			16,00	15,00	
1	Branding of Cities	C	5,00				5,00	GPC-4, GPC-5, PC-1, PC-4, UC-1, UC-2, UC-5
2	Creative Industries and Urban Change	C	5,00				5,00	GPC-4, GPC-5, PC-1, PC-5, UC-1, UC-2, UC-5
3	Objects of Cultural Heritage	C	5,00				5,00	GPC-1, GPC-3, PC-1, PC-4, PC-5, UC-1, UC-4
4	Programming for Urban Data Analysis. Advanced Level.	C	5,00				5,00	GPC-4, GPC-5, PC-5, UC-1, UC-5
5	Shrinking Cities	C	5,00				5,00	GPC-1, GPC-3, PC-4, UC-1, UC-4
6	Standards and Regulations in Construction and Urban Planning	C	5,00				5,00	GPC-1, GPC-3, PC-2, PC-5, UC-1, UC-4
7	Digital Anthropology	C	5,00				5,00	GPC-3, UC-1, UC-5
8	Smart City	C	5,00				5,00	GPC-3, GPC-4, PC-1, PC-4, PC-5, UC-4
9	Analysis of Qualitative Sociological Data. Advanced Level	C	4,00			4,00		GPC-4, GPC-5, PC-5, UC-1
10	Data Analytics and Machine Learning Basics	C	5,00				5,00	GPC-2, GPC-5, PC-5, UC-1
11	Methods of Spatial Analysis. Advanced Level.	C	4,00			4,00		GPC-3, PC-1, PC-5, UC-5
12	Web Visualization	C	4,00			4,00		GPC-4, GPC-5
13	Project Resources and Procurement	C	4,00			4,00		GPC-1, GPC-2, PC-2, PC-3
14	Legal Support of Projects for the Integrated Territories Development	C	4,00			4,00		GPC-3, PC-2, PC-4
15	Planning and Implementation of Urban Projects	C	4,00			4,00		GPC-1, GPC-2, GPC-4, PC-1, PC-3, UC-2, UC-3, UC-6
16	Transport Planning	C	4,00			4,00		GPC-3, GPC-4, PC-1, PC-5
17	Urban Environment Monitoring	C	4,00			4,00		GPC-1, GPC-3, GPC-4, PC-1, PC-5
18	Spatial Planning and Design	C	4,00			4,00		GPC-1, GPC-2, GPC-4, GPC-5, PC-1, PC-2, PC-3, PC-5, UC-1, UC-2, UC-3, UC-4, UC-6
19	Urban Strategic Planning	C	4,00			4,00		GPC-3, PC-1, PC-2, PC-4, UC-2, UC-4
20	Management of Municipal Utility Infrastructure	C	4,00			4,00		GPC-3, GPC-4, PC-1, PC-5, UC-2
Internship			30,00		4,00	4,00	12,00	10,00
Professional Internship			4,00		4,00			
Educational Internship (Introductive Training)			4,00		4,00			
1	Educational Internship	C	4,00		4,00			GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, PC-1, PC-2, PC-3, PC-4, PC-5, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
Project Internship			7,00				7,00	
1	Research or Applied Project	C	7,00				7,00	UC-1, UC-2, UC-3, UC-5, UC-6
Research Internship			19,00			4,00	5,00	10,00
1	Preparation of Graduation Thesis	C	10,00					10,00
GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, PC-2, PC-3, PC-4, PC-5, UC-1, UC-2, UC-3, UC-5, UC-6								

2	Term Paper	C	4,00			4,00			GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, PC-1, PC-2, PC-3, PC-4, PC-5, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
3	Курсовая работа - 4 курс	C	5,00				5,00		GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, PC-1, PC-2, PC-3, PC-4, PC-5, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
	General Courses		14,00	13,00	1,00				
	Core General Courses		2,00	1,00	1,00				
1	Safe Living Basics	C	1,00	1,00					UC-11, UC-8
2	Physical Training	C	1,00		1,00				UC-7
	Optional General Courses		12,00	12,00					
1	Russian History	C	4,00	4,00					GPC-3, UC-1, UC-2, UC-4, UC-5
2	Foundations of Russian Statehood	C	2,00	2,00					UC-5
3	Legal Literacy	C	3,00	3,00					GPC-3, UC-1, UC-10, UC-2, UC-4
4	Psychology	C	3,00	3,00					UC-1, UC-11, UC-3, UC-5, UC-6
	Minor		20,00		10,00	10,00			
1	Minor	E	20,00		10,00	10,00			UC-1, UC-2
	English		1,00					1,00	
	Examinations		1,00					1,00	
1	Independent English Exam (offered in a foreign language)	C							UC-4
2	Project Proposal (offered in a foreign language)	C	1,00					1,00	UC-4
3	English Language Integrative Exam (offered in a foreign language)	C							UC-4
	Optional Courses								
1	English Language (offered in a foreign language)	O	14,00	8,00	6,00				UC-4
2	English Academic Writing (offered in a foreign language)	O	2,00					2,00	UC-4
	Data Culture		4,00		3,00	1,00			
1	Independent Programming Test. Intermediate	C							UC-1
2	Independent Digital Literacy Test	C							UC-1
3	Programming in Python	C	3,00		3,00				GPC-4, GPC-5, UC-1, UC-2, UC-4
4	External Examinations on Digital Skills. Entry-level	C							UC-1
5	External Examinations on Digital Skills. Intermediate Level	C							UC-1
6	External Examinations on Digital Skills. Final Level	C							UC-1
7	Data Science, AI and Generative Models Independent Test. Intermediate	C	1,00			1,00			UC-1
	Final State Certification (FSC)		3,00					3,00	
	Thesis Work		3,00					3,00	
1	Presenting of Graduation Thesis	C	3,00					3,00	GPC-1, GPC-2, GPC-3, GPC-4, GPC-5, PC-1, PC-2, PC-3, PC-4, PC-5, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6
	State Examinations								

Curriculum agreed:

Academic Supervisor	BAEVSKIY O.A.	31.05.2024
Dean	MIKHAILENKO E.K.	31.05.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	14.06.2024

* Subject type:
Compulsory course C
Elective course E
Optional course O