



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
 06.06.2023
 Vice Rector
 ROSHCHIN S.Y.
 Signed with EDS

Years of Study: 2023/2024 - 2027/2028

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)		120,00	36,00	29,00	31,00	16,00	8,00	
	Compulsory Courses		120,00	36,00	29,00	31,00	16,00	8,00	
1	Mathematics and Statistics	C	12,00	12,00					GPC-4, PC-4, PC-5, UC-1, UC-2
2	Socio-Economic Geography	C	6,00	6,00					GPC-2, GPC-3, PC-5, UC-1, UC-2, UC-5
3	Geography and Geography of Cities	C	4,00	4,00					GPC-2, GPC-3, PC-5, UC-1, UC-2, UC-5
4	History of Russian Cities	C	6,00	6,00					GPC-3, UC-1, UC-2, UC-4, UC-5
5	Microeconomics	C	4,00		4,00				GPC-3, PC-4, UC-1, UC-2, UC-5, UC-9
6	Urban Sociology	C	4,00		4,00				GPC-2, GPC-3, PC-1, PC-5, UC-1, UC-2, UC-4, UC-5
7	Computer Graphics	C	4,00		4,00				GPC-1, GPC-4, GPC-5, PC-1, PC-5, UC-1, UC-4
8	History of Architecture and Urban Planning	C	5,00		5,00				GPC-4, GPC-5, PC-1, PC-5, UC-1
9	Urban Ecology	C	4,00			4,00			GPC-3, GPC-4, UC-1
10	Natural-recreational Frame of the City	C	3,00			3,00			GPC-3, PC-5, UC-1, UC-2, UC-5
11	Urban Vocabulary in Contemporary Urban Studies (offered in a foreign language)	C	4,00			4,00			GPC-5, UC-1, UC-4, UC-5
12	Macroeconomics	C	4,00			4,00			GPC-3, PC-4, UC-1, UC-2, UC-5, UC-9
13	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
14	Local Government	C	4,00			4,00			GPC-3, GPC-4, PC-1, PC-5, UC-2
15	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
16	Analysis of Quantitative Data in Social Sciences	C	4,00			4,00			GPC-4, GPC-5, PC-5, UC-1
17	Sustainability and Development Policy (offered in a foreign language)	C	3,00				3,00		GPC-3, UC-4, UC-5
18	Urban Economics	C	4,00				4,00		GPC-3, PC-1, PC-5, UC-1, UC-2

19	Housing Policy and Economics	C	3,00				3,00		GPC-3, PC-1, PC-5, UC-1, UC-2, UC-5
20	Prototyping	C	3,00				3,00		GPC-1, GPC-3, GPC-4, PC-5, UC-2, UC-6
21	Political Science	C	4,00	4,00					GPC-3, PC-5, UC-1, UC-10, UC-2, UC-4, UC-5
22	Planning of Development Projects	C	5,00				5,00		GPC-1, GPC-2, GPC-3, PC-2, PC-3, PC-5, UC-1, UC-4, UC-5
23	Introduction to Neuroeconomics: How the Brain Makes Decisions (offered in a foreign language)	C	3,00				3,00		GPC-5, UC-1, UC-5
24	Methods of Spatial Urban Data Analysis	C	4,00	4,00					GPC-2, GPC-3, PC-1, PC-2, PC-4, UC-4
25	Probability Theory and Mathematical Statistics	C	3,00		3,00				GPC-4, PC-4, PC-5, UC-1, UC-2
26	Basics of City Infrastructure Development	C	3,00		3,00				GPC-5, UC-1, UC-2, UC-3, UC-4
27	Theories of Urban Development	C	3,00		3,00				GPC-3, GPC-5, PC-1, UC-1
28	Assessing the Socio-Economic Effects of Urban Development Projects	C	3,00				3,00		GPC-1, GPC-4, GPC-5, PC-5, UC-4, UC-5
29	Demography	C	3,00		3,00				GPC-3, PC-1, PC-5, UC-1, UC-2, UC-5
Elective Professional Block (Major)			108,00	11,00	13,00	14,00	32,00	38,00	
1 course - variable part			11,00	11,00					
1	Project Seminar "Introduction to Urban Planning"	C	6,00	6,00					GPC-1, GPC-2, GPC-3, GPC-4, PC-5, UC-1, UC-2, UC-3, UC-5, UC-6
2	Research Seminar "Culture of Critical Thinking"	C	5,00	5,00					GPC-1, UC-1, UC-4, UC-6
2 курс - НИС и проектные семинары			13,00		13,00				
1	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
2	Research Seminar "Urban Anthropology"	C	5,00		5,00				GPC-2, GPC-5, PC-5, UC-1, UC-6
3 курс - НИС и проектные семинары			14,00			14,00			
1	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
2	Research Seminar "Basics of Academic Work"	C	6,00			6,00			UC-1, UC-2, UC-5, UC-6, UC-9
4 курс - НИС и проектные семинары			12,00				12,00		
1	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
2	Research Seminar "Urban Critical Studies"	C	5,00				5,00		GPC-1, GPC-4, GPC-5, PC-5, UC-4, UC-5
Дисциплины 4 курса по выбору			4,00				4,00		
1	Project Management	E	4,00				4,00		GPC-1, GPC-2, GPC-4, PC-2, PC-3, PC-5, UC-2, UC-3, UC-5, UC-6
2	Sociology of Culture	E	4,00				4,00		GPC-1, GPC-2, GPC-4, PC-2, PC-3, PC-5, UC-2, UC-3, UC-4, UC-6
3	Public Economics	E	4,00				4,00		GPC-1, GPC-2, GPC-4, PC-2, PC-3, PC-5, UC-2, UC-3, UC-4, UC-6
4	Experience Economics	E	4,00				4,00		GPC-1, GPC-2, GPC-4, PC-2, PC-3, PC-5, UC-2, UC-3, UC-4, UC-6
5 курс - НИС			6,00					6,00	

1	Research Seminar - 5	C	6,00				6,00	GPC-1, GPC-3, PC-5, UC-5
	Дисциплины 5 курса по выбору - 1		5,00				5,00	
1	Transport Economics	E	5,00				5,00	GPC-3, PC-1, PC-5, UC-1, UC-2, UC-5
2	Rural Studies	E	5,00				5,00	GPC-4, GPC-5, PC-1, UC-1, UC-2, UC-5
3	Urban Products and Services	E	5,00				5,00	GPC-4, GPC-5, PC-1, PC-4, UC-1, UC-2, UC-5
4	Housing management	E	5,00				5,00	GPC-4, GPC-5, PC-5, UC-1, UC-2, UC-5
	Дисциплины 5 курса по выбору - 2		12,00				12,00	
1	Participation, Conflict Management and Mediation	E	4,00				4,00	GPC-1, GPC-3, PC-1, PC-2, PC-3, PC-5, UC-1, UC-4
2	Political Geography of the City	E	4,00				4,00	GPC-1, GPC-3, PC-1, PC-5, UC-1, UC-4
3	Inclusion in the City	E	4,00				4,00	GPC-1, GPC-3, PC-1, UC-1, UC-4
4	Informal Urban Economy	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	Management of Municipal Utility Infrastructure	C	4,00			4,00		GPC-3, GPC-4, PC-1, PC-5, UC-2
2	Urban Strategic Planning	C	4,00			4,00		GPC-3, PC-1, PC-2, PC-4, UC-2, UC-4
3	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
4	Urban Environment Monitoring	C	4,00			4,00		GPC-1, GPC-3, GPC-4, PC-1, PC-5
5	Transport Planning	C	4,00			4,00		GPC-3, GPC-4, PC-1, PC-5
6	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
7	Legal Support of Projects for the Integrated Territories Development	C	4,00			4,00		GPC-3, PC-2, PC-4
8	Project Resources and Procurement	C	4,00			4,00		GPC-1, GPC-2, PC-2, PC-3
9	Web Visualization	C	4,00			4,00		GPC-4, GPC-5
10	Analysis of Quantitative Sociological Data. Advanced Level	C	4,00			4,00		GPC-4, GPC-5, PC-5, UC-1
11	Analysis of Qualitative Sociological Data. Advanced Level	C	4,00			4,00		GPC-4, GPC-5, PC-5, UC-1
12	Methods of Spatial Analysis. Advanced Level.	C	4,00			4,00		GPC-3, PC-1, PC-5, UC-5
13	Smart City	C	5,00				5,00	GPC-3, GPC-4, PC-1, PC-4, PC-5, UC-4
14	Branding of Cities	C	5,00				5,00	GPC-4, GPC-5, PC-1, PC-4, UC-1, UC-2, UC-5
15	Creative Industries and Urban Change	C	5,00				5,00	GPC-4, GPC-5, PC-1, PC-5, UC-1, UC-2, UC-5
16	Objects of Cultural Heritage	C	5,00				5,00	GPC-1, GPC-3, PC-1, PC-4, PC-5, UC-1, UC-4
17	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
18	Shrinking Cities	C	5,00				5,00	GPC-1, GPC-3, PC-4, UC-1, UC-4
19	Programming for Urban Data Analysis. Advanced Level.	C	5,00				5,00	GPC-4, GPC-5, PC-5, UC-1, UC-5
20	Data Analytics and Machine Learning Basics	C	5,00				5,00	GPC-2, GPC-5, PC-5, UC-1
21	Digital Anthropology	C	5,00				5,00	GPC-3, UC-1, UC-5
	Internship		30,00		4,00	4,00	12,00	10,00

	Professional Internship		4,00		4,00				
	Educational Internship (Introductory 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	Legal Literacy	C	3,00	3,00					GPC-3, UC-1, UC-10, UC-2, UC-4
3	Philosophy	C	3,00	3,00					GPC-3, UC-1, UC-2, UC-4, UC-5, UC-6
4	Foundations of Russian Statehood	C	2,00	2,00					UC-5
	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	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 Digital Literacy Test	C							UC-1
2	Programming in Python	C	3,00		3,00				GPC-4, GPC-5, UC-1, UC-2, UC-4
3	External Examinations on Digital Skills. Entry-level	C							UC-1
4	External Examinations on Digital Skills. Intermediate Level	C							UC-1
5	Independent Programming Test. Intermediate	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.	30.05.2023
Dean	MIKHAILENKO E.K.	31.05.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	02.06.2023

* Subject type:

Compulsory course	C
Elective course	E
Optional course	O