



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 01.04.02 Applied Mathematics and Informatics
 Educational Programme "UX Analytics and Information System Design"
 Trajectories: "UX Analytics and Information Systems Design"

APPROVED
 19.04.2024
 Vice Rector
 ROSHCHIN S.Y.
 Signed with EDS

Implementing unit: St. Petersburg School of Mathematics, Physics and Computer Science, HSE, HSE - Saint Petersburg

Years of Study: 2024/2025 - 2025/2026

Length of Programme: 2 years

Mode of Study: Full Time

Degree: Master's degree / MBA

Block Code	Course	Subject type	Credits	Credits by Years		Planned Educational Programme Development Results
				1	2	
	Degree Programme		120,00	60,00	60,00	
	UX Analytics and Information Systems Design (Applied track)		120,00	60,00	60,00	
	Key Seminars		21,00	12,00	9,00	
1	Research Seminar "Design Research at HCI"	C	6,00		6,00	PC-5, PC-6, UC-1, UC-3
2	Mentor's Seminar	C	6,00	3,00	3,00	UC-1, UC-4, UC-6
3	Research Seminar "Research Methods in HCI"	C	9,00	9,00		PC-5, PC-6, UC-1, UC-3
	Internship		24,00	3,00	21,00	
	Project Internship		24,00	3,00	21,00	
1	Project	C	6,00	3,00	3,00	GPC-1.AMI, GPC-3.AMI, PC-10, PC-2, UC-3, UC-5
2	Preparation of final qualifying work	E	18,00		18,00	UC-2, UC-4, UC-5, UC-6
	Research Internship		18,00		18,00	
1	Preparation of final qualifying work	E	18,00		18,00	UC-2, UC-4, UC-5, UC-6
	Major		60,00	39,00	21,00	
	Major Basic Block		36,00	27,00	9,00	
1	IT Business Analyst (offered in a foreign language)	C	3,00		3,00	PC-4, PC-7, UC-5
2	System Analysis and Complex Information System Design	C	6,00		6,00	GPC-1.AMI, GPC-3.AMI, PC-11, PC-4, PC-7, PC-8, UC-1, UC-4
3	Analytical Systems Architecture	C	6,00	6,00		GPC-3.AMI, GPC-4.AMI, UC-3
4	Data Analysis and Machine Learning	C	9,00	9,00		GPC-1.AMI, GPC-3.AMI, PC-2, PC-5
5	Modern Methods of Decision Making	C	3,00	3,00		GPC-1.AMI, GPC-2.AMI, UC-1, UC-3, UC-4, UC-5, UC-6

6	Human-centered Design and Prototyping	C	9,00	9,00		UC-6
	Major Elective Block 1 (2 out of 4)		12,00	12,00		
1	Motivation and Behavior in Information Systems	E	6,00	6,00		GPC-1.AMI, PC-1, PC-9, UC-2
2	IT Project Management	E	6,00	6,00		GPC-1.AMI, PC-8, UC-3, UC-5
3	Design and analysis of online experiments	E	6,00	6,00		GPC-2.AMI, GPC-4.AMI, PC-4, PC-8, UC-6
4	Cognitive Psychology	E	6,00	6,00		PC-4, PC-5, PC-6, UC-1, UC-6
	Major Elective Block 2 (2 out of 4)		12,00		12,00	
1	Dashboards and Analytical Systems Design	E	6,00		6,00	GPC-1.AMI, GPC-3.AMI, PC-10, PC-2, PC-5, PC-8, UC-1
2	Recommender Systems	E	6,00		6,00	PC-10, PC-11, UC-3
3	Natural Language Processing and Conversational Design	E	6,00		6,00	GPC-1.AMI, GPC-3.AMI, PC-2, PC-5, PC-8, UC-1
4	Human-machine Interface	E	6,00		6,00	GPC-3.AMI, PC-10, PC-2, PC-5, PC-8, UC-1
	Magolego		12,00	6,00	6,00	
1	All-university Pool MAGOLEGO Courses	E	12,00	6,00	6,00	UC-1, UC-3, UC-4
	Final State Certification (FSC)		3,00		3,00	
1	Final Qualification Paper	C	3,00		3,00	GPC-1.AMI, GPC-2.AMI, GPC-3.AMI, GPC-4.AMI, PC-1, PC-10, PC-11, PC-2, PC-3, PC-4, PC-5, PC-6, PC-7, PC-8, PC-9, UC-1, UC-2, UC-3, UC-4, UC-5, UC-6

Curriculum agreed:

Academic Supervisor	SUVOROVA A.V.	17.04.2024
Dean		17.04.2024
Deputy Director	KUZMIN P.V.	17.04.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	17.04.2024

* Subject type:

Compulsory course	C
Elective course	E