



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 45.04.03 Fundamental and Applied Linguistics

Educational Programme "Computational Linguistics"

Trajectories: "Applied Computer Linguistics", "Theoretical Studies in Computer Linguistics"

Implementing unit: Faculty of Humanities, HSE - Moscow

APPROVED

16.06.2022

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Years of Study: 2022/2023 - 2023/2024

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	
	Applied Computer Linguistics (Applied track)		120,00	60,00	60,00	
	Key Seminars		21,00	12,00	9,00	
1	Research and Design Seminar	C	9,00	3,00	6,00	GPC-3, GPC-5, PC-1, PC-4, PC-5, UC-1, UC-4
2	Mentor's Seminar	C	6,00	3,00	3,00	GPC-2, PC-13, PC-2, UC-2, UC-3
3	Web development basics	C	3,00	3,00		GPC-6, PC-17, PC-18, PC-3, UC-6
4	Seminar "Actual problems of computational linguistics"	C	3,00	3,00		GPC-1, PC-7, PC-8, UC-3
	Internship		27,00	3,00	24,00	
	Project Internship					
	Professional Internship		27,00	3,00	24,00	
1	Term Paper	C	3,00	3,00		GPC-4, PC-14, PC-15, UC-5
2	Work Experience Internship	C	12,00		12,00	GPC-5, PC-11, PC-12, UC-1
3	Preparation of the final qualifying work	C	12,00		12,00	GPC-3, PC-16, PC-19, UC-4
	Research Internship					
	Major		54,00	33,00	21,00	
	Общая часть учебного плана		42,00	21,00	21,00	
1	Experimental Linguistics and Artificial Intelligence	C	6,00		6,00	GPC-2, GPC-3, GPC-6, PC-13, PC-3, PC-4, UC-1
2	Corpus Linguistics II	C	6,00		6,00	GPC-5, PC-14, PC-9, UC-4
3	Statistics in Computation Linguistics	C	3,00		3,00	GPC-1, GPC-3, PC-1, PC-13, PC-14, PC-16, PC-4, UC-1

4	Mathematical Foundations of Computational Linguistics	C	9,00	9,00		GPC-3, PC-1, PC-10, PC-2, PC-3, PC-8, UC-2
5	Functional Approaches to Natural Language	C	3,00	3,00		GPC-5, GPC-6, PC-1, PC-10, PC-12, PC-2, PC-20, PC-4, PC-6, PC-8, UC-1
6	Formal Approaches to Natural Language	C	3,00	3,00		GPC-2, PC-11, PC-13, PC-15, PC-16, PC-17, UC-6
7	Social Networks (offered in a foreign language)	C	3,00		3,00	GPC-4, PC-10, PC-11, PC-12, PC-5, PC-6, PC-8, PC-9, UC-5
8	Ontologies and Semantic Technologies	C	3,00		3,00	GPC-5, PC-14, PC-15, UC-3
9	Corpus Linguistics	C	6,00	6,00		GPC-5, PC-14, PC-9, UC-4
	Дисциплина по выбору		6,00	6,00		
1	Programming in Python	E	6,00	6,00		GPC-1, GPC-3, PC-1, PC-2, UC-1, UC-2
2	Object-oriented programming in Python	E	6,00	6,00		GPC-1, PC-7, PC-8, UC-4
	Дисциплина по выбору		6,00	6,00		
1	SQL and NoSQL databases	E	6,00	6,00		GPC-3, PC-12, PC-13, PC-3, UC-3
2	Information systems and databases in the humanities	E	6,00	6,00		GPC-2, PC-1, PC-11, UC-2
	Magolego		15,00	12,00	3,00	
1	All-university Pool MAGOLEGO Courses	E	15,00	12,00	3,00	GPC-2, GPC-3, PC-1, PC-5, UC-1, UC-3
	Final State Certification (FSC)		3,00		3,00	
1	Final Qualification Paper	C	3,00		3,00	GPC-2, GPC-3, GPC-5, PC-2, PC-20, PC-3, PC-4, PC-7, UC-1, UC-4, UC-5
	Theoretical Studies in Computer Linguistics (Research track)		120,00	60,00	60,00	
	Key Seminars		21,00	12,00	9,00	
1	Mentor's Seminar	C	6,00	3,00	3,00	GPC-4, PC-7, PC-8, UC-2
2	Research and Design Seminar	C	9,00	3,00	6,00	GPC-2, PC-2, PC-4, UC-1
3	Analysis and visualization of text data	C	3,00	3,00		GPC-6, PC-5, PC-6, UC-3
4	Seminar "Actual problems of computational linguistics"	C	3,00	3,00		GPC-3, PC-13, PC-14, UC-4
	Internship		27,00	3,00	24,00	
	Project Internship					
	Professional Internship		27,00	3,00	24,00	
1	Term Paper	C	3,00	3,00		GPC-2, PC-11, PC-12, UC-4
2	Work Experience Internship	C	12,00		12,00	GPC-1, PC-17, PC-18, UC-6
3	Preparation of the final qualifying work	C	12,00		12,00	GPC-5, PC-15, PC-16, UC-5
	Research Internship					
	Major		54,00	33,00	21,00	
	Общая часть учебного плана		42,00	21,00	21,00	
1	Experimental Linguistics and Artificial Intelligence	C	6,00		6,00	GPC-2, GPC-3, GPC-6, PC-13, PC-3, PC-4, UC-1
2	Statistics in Computation Linguistics	C	3,00		3,00	GPC-1, GPC-3, PC-1, PC-13, PC-14, PC-16, PC-4, UC-1

3	Mathematical Foundations of Computational Linguistics	C	9,00	9,00		GPC-2, PC-1, PC-3, UC-1
4	Formal Approaches to Natural Language	C	3,00	3,00		GPC-2, PC-3, PC-4, UC-3
5	Functional Approaches to Natural Language	C	3,00	3,00		GPC-1, PC-20, PC-8, PC-9, UC-4
6	Introduction to Deep Learning in NLP (offered in a foreign language)	C	6,00		6,00	GPC-3, PC-11, PC-12, UC-2
7	Social Networks (offered in a foreign language)	C	3,00		3,00	GPC-6, PC-15, PC-16, UC-6
8	Ontologies and Semantic Technologies	C	3,00		3,00	GPC-3, PC-12, PC-13, UC-2
9	Theory of formal languages for text and communication	C	6,00	6,00		GPC-4, PC-17, PC-18, PC-19, PC-2, UC-3
	<b>Elective Courses</b>		<b>6,00</b>	<b>6,00</b>		
1	SQL and NoSQL databases	E	6,00	6,00		GPC-2, PC-10, PC-9, UC-2
2	Information systems and databases in the humanities	E	6,00	6,00		GPC-2, PC-8, PC-9, UC-2
	<b>Elective Courses</b>		<b>6,00</b>	<b>6,00</b>		
1	Programming in Python	E	6,00	6,00		GPC-3, PC-10, PC-11, UC-4
2	Object-oriented programming in Python	E	6,00	6,00		GPC-5, PC-6, PC-7, UC-5
	<b>Magolego</b>		<b>15,00</b>	<b>12,00</b>	<b>3,00</b>	
1	All-university Pool MAGOLEGO Courses	E	15,00	12,00	3,00	GPC-3, PC-12, PC-5, UC-2
	<b>Final State Certification (FSC)</b>		<b>3,00</b>		<b>3,00</b>	
1	Final Qualification Paper	C	3,00		3,00	GPC-5, PC-14, PC-15, UC-2

**Curriculum agreed:**

Academic Supervisor	KLYSHINSKIY E.S.	10.06.2022
Dean	AZHIMOV F.E.	13.06.2022
Head of Centre for Educational Model Design	LEPESHKIN I.A.	14.06.2022

\* Subject type:

Compulsory course	C
Elective course	E