



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 03.04.02 Physics

Educational Programme "Physics"

Trajectories: "Condensed Matter Physics", "Physics and Technology of Nanostructures", "Quantum Field Theory"

Implementing unit: St. Petersburg School of Mathematics, Physics and Computer Science, HSE, HSE - Saint Petersburg
2 nd, 2023/2024 academic year

APPROVED

17.03.2023

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 2 years

Years of Study: 2022/2023 - 2023/2024

Mode of Study: Full Time

Degree: Master's degree / MBA

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
Degree Programme				60,00	2 280	42	2	2	20	24	
Quantum Field Theory (Research track)				54,00	2 052	10				2	
Final State Certification (FSC)				3,00	114	2				2	
1	Final Qualification Paper	C		3,00	114	2				2A	
Key Seminars				3,00	114	6	2	2	2		
1	Mentor's Seminar	C	Department of Physics (at HSE University in St.Petersburg)	3,00	114	6	2	2A	2A		
Magolego				12,00	456						
1	Дисциплины по выбору из общеуниверситетского пула	E		12,00	456						
Internship				36,00	1 368	2					
Research Internship				24,00	912						
1	Research Internship	C		12,00	456						
2	Preparation of Final Qualification Paper	C		12,00	456						
Project Internship				12,00	456	2				2	
1	Projects	C		6,00	228	2				2A	
2	Projects 2	C		6,00	228						
Physics and Technology of Nanostructures (Research track)				54,00	2 052	10	2	2	20	18	
Final State Certification (FSC)				3,00	114	2				2	
1	Final Qualification Paper	C		3,00	114	2				2A	
Key Seminars				3,00	114	6	2	2	20	16	
1	Mentor's Seminar	C	Department of Physics (at HSE University in St.Petersburg)	3,00	114	6	2	2A	2A		

	Magolego			12,00	456					
1	Дисциплины по выбору из общеуниверситетского пула	E		12,00	456					
	Internship			36,00	1 368	2				
	Research Internship			24,00	912					
1	Research Internship	C		12,00	456					
2	Preparation of Final Qualificaiton Paper	C		12,00	456					
	Project Internship			12,00	456	2				2
1	Projects	C		6,00	228	2				2A
2	Projects 2	C		6,00	228					
	Condensed Matter Physics (Research track)			60,00	2 280	54	24	22	2	6
	Final State Certification (FSC)			3,00	114	2				2
1	Final Qualification Paper	C		3,00	114	2				2A
	Key Seminars			9,00	342	40	20	18	2	
1	Research Seminar "Physics of Strongly Disordered Systems"	C	Department of Physics (at HSE University in St.Petersburg)	6,00	228	34	18	16A		
2	Mentor's Seminar	C	Department of Physics (at HSE University in St.Petersburg)	3,00	114	6	2	2A	2A	
	Magolego			12,00	456					
1	All-university Pool MAGOLEGO Courses	E		12,00	456					
	Internship			36,00	1 368	12	4	4		4
	Research Internship			24,00	912	4				4
1	Research Internship	C		12,00	456	2				2A
2	Preparation of Final Qualificaiton Paper	C		12,00	456	2				2
	Project Internship			12,00	456	8	4	4		
1	Projects	C		6,00	228	4	2	2A		
2	Projects 2	C		6,00	228	4	2	2A		

Curriculum agreed:

Academic Supervisor	ZHURIKHINA V.V.	27.02.2023
Dean		27.02.2023
Deputy Director	KUZMIN P.V.	27.02.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	15.03.2023

* Subject type:

Compulsory course

Elective course

C

E