



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 04.04.01 Chemistry

Educational Programme "Chemistry of Molecular Systems and Materials"

Trajectories: "Chemistry of Molecular Systems and Materials"

Implementing unit: Faculty of Chemistry, HSE - Moscow

2 nd, 2024/2025 academic year

APPROVED

19.04.2024

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 2 years

Years of Study: 2023/2024 - 2024/2025

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	348	104	138	102	4	
Chemistry of Molecular Systems and Materials (Research track)				60,00	2 280	348	104	138	102	4	
Major				18,00	684	236	62	94	80		
1	Faculty Pool Disciplines	E		6,00	228	80			80A		
2	Magnetochemical, Diffraction and Luminescence Analytical Methods	C	базовая кафедра неорганической химии и материаловедения Института общей и неорганической химии им. Н.С. Курнакова РАН	6,00	228	80	36	44A			
3	Materials for Microelectronics: Technologies and Diagnostics	C	Faculty of Chemistry	6,00	228	76	38	38A			Foreign language
Final State Certification (FSC)				3,00	114	2				2	
1	Final Qualification Paper	C		3,00	114	2				2A	
Key Seminars				9,00	342	102	42	42	18		
Elective Research Seminars				3,00	114	30	10	10	10		
1	Research Seminar "Inorganic Chemistry and Materials Science"	E	базовая кафедра неорганической химии и материаловедения Института общей и неорганической химии им. Н.С. Курнакова РАН	3,00	114	30	10	10	10A		
2	Research Seminar ""Organic and Organoelement Chemistry"	E	базовая кафедра органической химии Института органической химии им.Н.Д. Зелинского РАН	3,00	114	30	10	10	10A		

3	Research Seminar "Chemical Engineering"	E	базовая кафедра физико-химической инженерии ФИЦ проблем химической физики и медицинской химии РАН	3,00	114	30	10	10	10A		
Compulsory Research Seminars				6,00	228	72	32	32	8		
1	Research Seminar "Modern World Trends in Chemistry and Chemical Technology" (part 2)	C	базовая кафедра неорганической химии и материаловедения Института общей и неорганической химии им. Н.С. Курнакова РАН	3,00	114	48	24	24A			
2	Mentor's Seminar (Part 2)	C	базовая кафедра органической химии Института органической химии им.Н.Д. Зелинского РАН	3,00	114	24	8	8	8A		
Magolego				3,00	114						
1	University Pool Courses (MAGO-LEGO)	E		3,00	114						
Internship				27,00	1 026	8		2	4	2	
Research Internship				27,00	1 026	8		2	4	2	
1	Writing a Scientific Article	C		9,00	342	2			2A		
2	Research Project	C		3,00	114	2		2A			
3	Preparation of the Graduate Thesis	C		6,00	228	2				2	
4	Work Experience Internship (Research)	C		9,00	342	2			2A		

Curriculum agreed:

Academic Supervisor	ROYTERSHTEYN D.M.	19.03.2024
Dean	KOTOV V.I.	20.03.2024
Head of Centre for Educational Model Design	LEPESHKIN I.A.	18.04.2024

* Subject type:

Compulsory course

C

Elective course

E