

National Research University Higher School of Economics (HSE)

Curriculum

Field of study 04.03.01 Chemistry

Educational Programme "Chemistry"

Specialization: "Functional Materials and Petroleum Chemistry",
"Organic and Organometallic Chemistry"

Faculty of Chemistry, HSE - Moscow

1 st, 2020/2021 academic year

APPROVED by
Vice Rector

ROSHCHIN Y.S.

Length of Programme: 4 years

Years of Study: 2020/2021 - 2023/2024

Mode of Study: Full Time

Degree: Bachelor's degree

Number of Students: 44

Number of Groups: 2

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	2 584	1 188	242	318	332	296	
	Data Culture			7	266	110	28	54	8	20	
1	Information Technology. Data Culture	C	Faculty of Chemistry	7	266	110	28	54A	8	20A	Online Course
	Major			44	1 672	764	134	196	244	190	
	Core Professional Block (Major)			41	1 558	742	134	174	244	190	
	Subject Areas			41	1 558	742	134	174	244	190	
	Mathematics			14	532	264	56	64	72	72	
1	Linear Algebra and Geometry	C	Department of Higher Mathematics	7	266	132	28	32A	36	36A	
2	Calculus	C	Department of Higher Mathematics	7	266	132	28	32A	36	36A	
	Fundamentals of Physical Chemistry			5	190	64		34	30		
1	Basic Physical Chemistry	C	Faculty of Chemistry	5	190	64		34	30A		
	Physics			6	228	108		32	38	38	
1	Physics	C	School of Electronic Engineering	6	228	108		32	38	38A	
	Chemistry of Elements			16	608	306	78	44	104	80	
1	Theoretical Inorganic Chemistry	C	Faculty of Chemistry	8	304	160			80A	80A	
2	Chemistry of the Elements	C	Faculty of Chemistry	8	304	146	78	44	24A		
	Elective Professional Block (Major)			3	114	22		22			
	Раздел 1. Обязательные дисциплины			3	114	22		22			
1	Research Seminar	C	Faculty of Chemistry	3	114	22		22A	22A	22A	
	English				304	146	24	32	44	46	
	Optional Courses				304	144	24	32	44	44	
1	English	O		8	304	144	24	32A	44	44A	Credits only to the cumulative rating

	Examinations					2				2	
1	English Language Integrative Exam	C	School of Foreign Languages			2				2A	
	General Courses			1	38	162	54	36	36	36	
	Core General Courses			1	38	162	54	36	36	36	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1	38	18	18A				Online Course
2	Physical Training	C	Department of Physical Training			144	36	36	36	36A	
	Internship			8	304	6	2			4	
	Research Internship			3	114	2				2	
1	Курсовая работа по неорганической химии	C		3	114	2				2A	
	Project Internship			3	114	2				2	
1	Научно-исследовательские проекты	E		3	114	2				2A	
	Professional Internship			2	76	2	2				
1	Educational Internship (Introductory Training)	C		2	76	2	2A				

Academic Supervisor

YAROSLAVTSEV A.B.

Dean

KOTOV V.I.

Head of Degree Programmes
Development Office

MAMONOVA M.A.

* Subject type:

Compulsory course

C

Elective course

E

Optional course

O