



National Research University Higher School of Economics (HSE)

Curriculum  
 Field of study 04.03.01 Chemistry  
 Educational Programme "Chemistry"  
 Implementing unit: Faculty of Chemistry, HSE - Moscow  
 4 th, 2023/2024 academic year

APPROVED  
 22.03.2023  
 Vice Rector  
 ROSHCHIN S.Y.  
 Signed with EDS

Length of Programme: 4 years  
 Years of Study: 2020/2021 - 2023/2024  
 Mode of Study: Full Time  
 Degree: Bachelor's degree

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
	<b>Degree Programme</b>			<b>60,00</b>	<b>2 280</b>	<b>224</b>	<b>142</b>	<b>72</b>	<b>286</b>	<b>6</b>	
	<b>Major</b>			<b>32,00</b>	<b>1 216</b>	<b>182</b>	<b>128</b>	<b>54</b>	<b>282</b>		
	<b>Elective Professional Block (Major)</b>			<b>32,00</b>	<b>1 216</b>	<b>182</b>	<b>128</b>	<b>54</b>	<b>282</b>		
	<b>Elective Courses</b>			<b>18,00</b>	<b>684</b>				<b>282</b>		
1	Elective courses	E		18,00	684				282A		
	<b>Compulsory Courses</b>			<b>14,00</b>	<b>532</b>	<b>182</b>	<b>128</b>	<b>54</b>			
1	Introduction to Combinatorics and Graphs	C	Department of Big Data and Information Retrieval	3,00	114	16	12	4A			Online Course, Foreign language
2	Polymers	C	Faculty of Chemistry	4,00	152	68	34A	34A			Online Course
3	Chemical Technology	C	Faculty of Chemistry	4,00	152	62	34	28A			Online Course
4	Chemistry of Transition Metals	C	Faculty of Chemistry	3,00	114	36	36A				
	<b>English</b>			<b>1,00</b>	<b>38</b>	<b>2</b>			<b>2</b>		
	<b>Optional Courses</b>										
1	Academic English Writing	O		2,00	76	48		28	20A		Foreign language, Credits only to the cumulative rating
	<b>Examinations</b>			<b>1,00</b>	<b>38</b>	<b>2</b>			<b>2</b>		
1	Project Proposal	C	Faculty of Chemistry	1,00	38	2			2A		Foreign language
	<b>Final State Certification (FSC)</b>			<b>6,00</b>	<b>228</b>	<b>4</b>				<b>4</b>	
	<b>Thesis Work</b>			<b>3,00</b>	<b>114</b>	<b>2</b>				<b>2</b>	
1	Presenting of Graduation Thesis	C		3,00	114	2				2A	
	<b>State Examinations</b>			<b>3,00</b>	<b>114</b>	<b>2</b>				<b>2</b>	
1	State Interdisciplinary Exam in the Field of Study	C		3,00	114	2				2A	
	<b>General Courses</b>			<b>4,00</b>	<b>152</b>	<b>30</b>	<b>14</b>	<b>16</b>			
	<b>Optional General Courses</b>			<b>4,00</b>	<b>152</b>	<b>30</b>	<b>14</b>	<b>16</b>			
1	Philosophy	C	Школа философии и культурологии	4,00	152	30	14	16A			Online Course
	<b>Internship</b>			<b>17,00</b>	<b>646</b>	<b>6</b>		<b>2</b>	<b>2</b>	<b>2</b>	

	<b>Research Internship</b>			<b>13,00</b>	<b>494</b>	<b>4</b>			<b>2</b>	<b>2</b>
1	Preparation of Graduation Thesis	C		7,00	266	2				2
2	Graduation Internship	C		6,00	228	2			2A	
	<b>Project Internship</b>			<b>4,00</b>	<b>152</b>	<b>2</b>		<b>2</b>		
1	Research Project	E		4,00	152	2		2A		

**Curriculum agreed:**

Academic Supervisor	Shapovalov S.S.	10.03.2023
Dean	KOTOV V.I.	10.03.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	20.03.2023

\* Subject type:

Compulsory course

C

Elective course

E

Optional course

O