

Bachelor's Educational Program in Chemistry

CURRICULUM

N	Name of Courses/Modules, etc.	Number of credits	Hours						Distribution of credits in semesters								
			Including						I semester	II semester	III semester	IV semester	V semester	VI semester	VII semester	VIII semester	
			Total	Lecture	Laboratorial	Practical	Work in groups	Independent work									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Major Courses/Modules																	
1	History of Georgia	3	75	15			15	45	3								
2	Introduction to Philosophy	2	50	15			15	20	2								
3	Academic Writing	3	75	15			15	45	3								
4	Psychology	2	50	15			5	30	2								
5	Introduction to Biology	5	125	15			30	80	5								
6	Introduction to Geography	5	125	20			30	75	5								
7	Introduction to Ecology	5	125	15			30	80	5								
8	Introduction to Chemistry	5	125	15	30		15	65	5								
9	English – A 1 / B.1.1.1	5	125				60	65		5							
10	English – A 2 / B.1.1.2	5	125				60	65			5						
11	English – B1.1/B 1.2	10	250				120	130				10					
12	Information Technologies	5	125	30			30	65		5							
13	Higher Mathematics	5	125	15			30	80		5							
14	Basics of Physics	5	125	15	25		5	80		5							
15	General Chemistry	5	125	15	30		10	70		5							
16	Inorganic Chemistry	10	250	30	40		30	150			10						
17	Analytical Chemistry	10	250	30	40		30	150				10					
18	Organic Chemistry	10	250	30	40		30	150				10					
19	Physical Chemistry	10	250	30	40		30	150					10				

	Coordination Compounds Chemistry														
12	Chemistry of Metals	10	250	15	45			190		10					
13	Chemistry of Complex Compounds	10	250	15	45			190		10					
14	Methods of Inorganic and Coordination Compounds Synthesis	10	250	15	45			190		10					
15	Quantitative Analysis	10	250	15	45			190		10					
16	Biocoordinate Compounds Chemistry	5	125	15	15			95		5					
17	Stereo- and Specter Chemistry of Inorganic and Coordination Compounds	5	125	15			15	95		5					
	Physical Chemistry of Membrane Processes														
18	Physical Chemistry of Dispersive Processes	5	125	15	15			95		5					
19	Theoretical Basics of Membrane Processes	10	250	30			30	190		10					
20	Electrical Chemistry	10	250	15	30		15	190		10					
21	Physical Chemistry of Baro Membrane Processes	10	250	15	30		15	190		10					
22	Apparatus and Equipment of Membrane Processes	5	125	15			15	95		5					
23	Electrical Membrane Processes	10	250	15	30		15	190		10					
	Chemical Expertise														
24	Classical and Modern Methods of Analytical Chemistry	10	250	15	45			190		10					
25	Chemical Analysis and Expertise of Drinking Water	10	250	15	45			190		10					
26	Food Products Physical-Chemical Analysis and Expertise	10	250	15	45			190		10					
27	General Metrology, Basics of Standardization and Certification	10	250	30			30	190		10					
28	Quality Management	10	250	30			30	190		10					

