

**Academic discipline:  
«Analytical Chemistry»**

<b>Code and name of specialty</b>	6-05-0511-04 Biomedical Science
<b>Train in gcourse</b>	1
<b>Semester of training</b>	2
<b>Number of classhours:</b>	64
<b>Lectures</b>	16
<b>Seminar classes</b>	-
<b>Practical classes</b>	12
<b>Laboratory classes</b>	36
<b>Form of current assessment (credit/differential credit/exam)</b>	credit
<b>Number of credits</b>	3
<b>Competencies to be formed</b>	Learning the discipline "Analytical Chemistry" should provide the formation of basic professional competencies: to know the theoretical foundations of general and inorganic chemistry, methods of qualitative and quantitative analysis of substances, the theoretical laws of physical and colloid chemistry, the basic chemical properties and methods of production of simple substances and inorganic compounds, their impact on the environment and human health, to be able to plan, conduct and analyze the results of chemical experiment.
<p><b>Brief content of the academic discipline:</b></p> <p>The discipline "Analytical Chemistry" is the basis for the study of such disciplines as "Physical and Colloid Chemistry", "Organic Chemistry", "General Biochemistry", "General Ecology". It studies quantitative and qualitative methods of analysis, the knowledge of which is necessary for the formation of practical skills in the determination of chemical substances.</p>	