

**The name of the academic discipline:
“Applied Chemistry”**

Specialty code and name	1- 02 04 01 Biology and Chemistry
Year of study	4
Semester of study	8
Number of in-class academic hours:	50
Lectures	14
Seminar classes	8
Practical classes	28
Laboratory classes	-
Form of the current assessment (<i>credit/graded credit /exam</i>)	credit
Number of credit points	3
Competences	Mastering the academic discipline “Applied Chemistry” should ensure the formation of specialized competencies: applying innovative pedagogical technologies in teaching chemistry.

Summary of the academic discipline:

The academic discipline “Applied Chemistry” has certain specifics and plays a major role in the training of future chemistry teachers. The current state of society is characterized by the penetration of chemistry into all spheres of people’s lives: construction, everyday life, medicine, energy, agriculture, industry. Therefore, a modern specialist in chemical pedagogical education should be able to show students how theoretical provisions are applied in industrial processes of producing vital materials, as well as in everyday life. In integration with other disciplines of professional training (inorganic, organic, analytical, physical, biological chemistry), the course in applied chemistry introduces students to the conditions of implementing chemical processes on an industrial scale, with the production and use of certain products in technological processes. The knowledge and practical skills acquired by students in practical classes on the discipline complement the system of professional competencies of future specialists in chemical pedagogical education.