

**The name of the academic discipline:  
“Physical and colloidal chemistry”**

<b>Specialty code and name</b>	1- 02 04 01 Biology and Chemistry
<b>Year of study</b>	2, 3
<b>Semester of study</b>	4, 5
<b>Number of in-class academic hours:</b>	160
<b>Lectures</b>	36
<b>Seminar classes</b>	22
<b>Practical classes</b>	38
<b>Laboratory classes</b>	64
<b>Form of the current assessment (<i>credit/ graded credit /exam</i>)</b>	credit / exam
<b>Number of credit points</b>	9
<b>Competences</b>	Mastering the academic discipline “Physical and colloidal chemistry” should ensure the formation of specialized competencies: applying the basic laws of thermodynamics and kinetics of physical and chemical processes, information about the structure, basic properties and patterns of behavior of colloidal systems.

**Summary of the academic discipline:**

The academic discipline “Physical and colloid chemistry” is based on the knowledge base obtained in the courses “General Chemistry”, “Analytical Chemistry”. The purpose of the course is the formation of a system of knowledge about the laws of physical and chemical processes, about the physical meaning of the basic laws of physical and colloid chemistry.