

Academic discipline:
" Biological Chemistry "

Code and name of specialty	1- 02 04 01 Biology and Chemistry
Training course	2
Semester of training	3
Number of class hours:	110
Lectures	46
Seminar classes	12
Practical classes	12
Laboratory classes	40
Form of current assessment (credit/differential credit/exam)	exam
Number of credits	6
Competencies to be formed	To possess knowledge of the structure and properties of biomolecules, their metabolism and its regulation, explain the most important processes of vital activity of organisms of animals, plants, microbes and conduct an experiment to study the properties of biomolecules and their transformations
Summary of the content of the academic discipline:	
The academic discipline "Biological Chemistry" is the basic one in the study of a number of academic disciplines of chemical and biological profile. It includes, first of all, data on the structure, physico-chemical properties and biological activity of all major classes of compounds of biological origin, as well as on the structure and basic concepts of the mechanism of action of enzymes, features of metabolic processes in living organisms, including reactions of carbohydrates, lipids, proteins, nucleic acids, as well as the relationship of metabolism of individual groups substances and regulation of metabolic processes.	