



PASSPORT OF THE EDUCATIONAL PROGRAM

• 6B01510- Chemistry

PURPOSE OF THE EDUCATIONAL PROGRAM

Preparing chemistry teachers with practical skills and leadership qualities, capable of delivering education and the formation of a comprehensively developed personality of a student; formation of systematized knowledge in the field of chemistry; organization of the educational process in chemistry at the modern scientific and methodological level; scientific research.

AREA OF PROFESSIONAL ACTIVITY

- educational (pedagogical);
- teaching and educational;
- educational and technological;
- social and pedagogical;

LEARNING OUTCOMES (LO)

LO 1 – summarizes the theoretical foundations and methodological approaches of the modern history of Kazakhstan and philosophy, independently analyze economic data and processes, the main modern historical events of the socio-economic, political and cultural development of the Republic of Kazakhstan at the present stage and plan your future;

LO 2 - observes the principles of professional ethics, uses knowledge of the subject area, pedagogical measurements, trends in the development of the education system in pedagogical activities, regulatory legal acts and basics of electronic documentation;

LO 3 – uses communication in oral and written forms in the state, Russian and foreign languages to solve problems of interpersonal, intercultural and professional interaction;

LO 4 - applies various types of information and communication technologies for the search, storage, processing, protection and dissemination of information in the research and project activities of students and in the educational process;

LO 5 - demonstrates self-organization and self-education throughout life, focus on a healthy lifestyle to ensure full-fledged social and professional activities, to form a health culture of students, observance of labor protection;

LO 6 - carries out training, education and development, taking into account the social, age, psychophysical and individual characteristics of students, including those with special educational needs;

LO 7 – sets goals and formulates tasks related to the implementation of its activities in general and applied aspects of chemistry;

LO 8 – assesses the relationship of natural components to identify patterns of natural disciplines and provide the necessary conditions to improve the effective educational process of natural disciplines;

LO 9 – applies modern means of assessing learning outcomes and other innovative teaching methods, especially teaching chemistry with updated educational content.

LO 10 – applies knowledge of the theoretical and experimental foundations of chemistry and technologies for teaching chemistry, uses methods for the formation of subject skills and abilities of schoolchildren, as well as techniques for forming an interest in chemistry and using knowledge in the field of chemistry in everyday life.

LO 11 – systematizes sectoral, regional, national and international problems in the context of chemical research, identifies environmental problems of a domestic and educational nature and suggests optimal ways to protect and protect people, various options for improving the state of the environment;

LO 12 –applies the foundations of entrepreneurship in the system of vocational education, providing both the creation of a new product - knowledge, abilities, skills, competencies of students, develops professional potential, which activates his personal growth and stimulates leadership qualities.