



# PASSPORT OF THE EDUCATIONAL PROGRAM

## • 6B05301 - Chemistry

### PURPOSE OF THE EDUCATIONAL PROGRAM

Preparation of personnel with knowledge and professional competencies in the field of the chemical industry and the teaching of chemistry, in accordance with the requirements of the labor market and the requests of employers, modern innovative technologies and entrepreneurial skills.

### AREA OF PROFESSIONAL ACTIVITY

Scientific activity, government regulation related to education and research work

# LEARNING OUTCOMES (LO)

**LO1** –*assesses* the surrounding reality on the basis of worldview positions formed by knowledge of the foundations of philosophy and social and humanitarian sciences, analyzes the main stages and patterns of historical development for the formation of patriotism and civic position;

**LO2** –*demonstrates* knowledge of the principles of professional ethics, uses knowledge of the subject area, regulatory legal acts and the basics of maintaining electronic documentation in professional activities;

**LO3** –applies various types of information and communication technologies for the search, storage, processing, protection and dissemination of information in research and project activities, is *aware* of the dangers and threats arising in this process, *complies* with the basic requirements of information security;

**LO4** –*systematizes and applies* the main theoretical approaches to the problems of management, leadership, organization development, development of business models and the skills of their practical application;

**LO5** –improves and develops his intellectual and general cultural level, and also implements the principles of life and the formation of a culture of health saving;

**LO6** –*improves and develops* modern ideas about the main directions of development of chemistry as a science, the basic principles, laws and theories of its fundamental sections;

**LO7** –*analyzes* the activities of all subjects of the chemical process, *simulates* the chemical process and implements it in practice, *carries out* the chemical process with a target set on the final goal;

**LO8** –*analyzes* information and competently formulates appropriate conclusions and conclusions in the state, Russian and foreign languages;

**LO9** –interprets scientific trends in the development of chemical science, taking into account the development of scientific and technological progress, international practice, the influence of internal factors for decision-making;

**LO10** –*demonstrates* a high level of communication skills combined with a willingness to establish new social contacts, provide support to followers, develop their professional and personal potential;

**LO11** –*solves* the problems of nature management, realizes respect and environmental protection; analyzes environmental processes, solves specific environmental problems;