



# PASSPORT OF THE EDUCATIONAL PROGRAM

- 8D05301-Chemistry

## OBJECTIVES OF THE EDUCATIONAL PROGRAM

Preparation of competitive, competent scientific and pedagogical personnel with professional and scientific competencies and capable of self-education and professional development throughout life

## FIELD OF PROFESSIONAL ACTIVITY

Upbringing and education, as well as scientific research, government regulation, associated with the education

## LEARNING OUTCOMES (LO)

**LO1** - *demonstrates* in-depth knowledge in the field of natural sciences and fundamental sections of chemistry, conducts independent research in the selected field of experimental and theoretical chemistry;

**LO2** - methodically competently builds plans for lectures and practical classes in sections of academic disciplines and publicly presents theoretical and practical sections of academic disciplines in accordance with approved teaching aids;

**LO3** – summarizes fundamental research and scientific and practical innovative developments aimed at the systematic solution of problems in various fields of education;

**LO4** – can scientifically interpret trends in the development of chemical science, taking into account the development of scientific and technological progress, international practice;

**LO5** – *able* to acquire new knowledge independently using modern educational and information technologies;

**LO6** – *understands* industry, regional, national and global issues in the context of integrated chemical research and adapt to changing environmental conditions and make management decisions in the face of diverse opinions;

**LO7** – *demonstrates* the ability to think, design, implement, and adapt a substantial research process with a scientific approach; contributes his own original research to the expansion of the boundaries of modern chemistry, which deserves publication at the national and international level;

**LO8** – have the skills of theoretical and methodological analysis, is able to use forecasting and planning methods in practice, and also synthesizes knowledge in the specialty and interdisciplinary knowledge to solve research and practical problems;