



# PASSPORT OF THE EDUCATIONAL PROGRAM

- **8D01501 – Training of teachers of mathematics**

## TARGET EDUCATIONAL PROGRAM

Training of highly qualified scientific specialists, competitive in the domestic and world labor market, possessing the skills of organizing research work in a new direction of scientific research, analytical generalization of the results of scientific activity, allowing to prepare qualifying scientific work for the degree of Doctor of Philosophy, obtaining fundamental, professional education, deep specialized knowledge in the chosen field of mathematics, which allows you to successfully develop science.

## REGION PROFESSIONAL ACTIVITIES

- Education and upbringing;
- Scientific activity;
- Government regulation related to education.

## LEARNING OUTCOMES (LO)

**LO 1** – demonstrates the mastery of mastering research methods used in modern sections of mathematics and methods of teaching mathematics, a systematic understanding of the field of study;

**LO 2** - contributes his own original research to expanding the boundaries of knowledge in the field of mathematics through publications at the national level, taking into account global trends and strategies for the development of higher education;

**LO 3** – chooses methods of obtaining, processing, storing scientific information, developing modern information technologies, solving urgent problems of scientific and practical problems;

**LO 4** – organizes and conducts research work in mathematical disciplines;

**LO 5** – effectively provides educational and management activities;

**LO 6** – makes an overview of the best practices of mathematicians in organizing educational, research activities of schoolchildren, students and undergraduates;

**LO 7** – is guided in a wide range of the latest technologies, ideas, directions and is ready to use them in their teaching activities;

**LO 8** – organizes the educational process in BL format in English, including online; independently, determines the effectiveness and methodology of using the means of assessing learning outcomes in structuring the educational process; applies research planning methods and data processing techniques; applies methods of working with literary sources and use them in writing a work; applies the logic of constructing work, presenting material, drawing up generalizations and conclusions; uses various research methods in his work.