



# PASSPORT OF THE EDUCATIONAL PROGRAM

- **7M05401-Mathematics**

<b>The purpose of the educational program</b>	Preparation of Masters of Natural Sciences with advanced mathematical knowledge, mathematical thinking, mathematical culture in accordance with high academic standards in a competitive educational environment with a civil position, capable of solving modern scientific and practical problems.
<b>Field of professional activity</b>	Science Education

## Learning outcomes (LO)

**LO1** - uses the key concepts and complex of scientific knowledge of market economy development and political processes, describes a new philosophy of education and training of the younger generation, entrepreneurial and innovative investment activities

**LO2** - evaluates the solution of practical problems that contribute to the formation of a highly educated person with a broad vision and culture of thinking

**LO3** - uses linguistic means of state, Russian and foreign languages in the analysis of real problems in specific speech situations of the scientific sphere

**LO4** - applies mathematical thinking, mathematical culture, methods of fundamental areas of mathematics

**LO5** - uses theoretical and practical knowledge to formulate and solve research problems

**LO6** - analyzes approaches to solving problems: finds, formulates and solves important problems of fundamental and applied mathematics

**LO7** - implements research results into professional activities

**LO8** - applies skills to present its own scientific results in the form of strongly justified statements

**LO9** - demonstrates the skills of using mathematical tools to solve the given problems, selects the appropriate mathematical model for the process, analyzes the results of modeling, and makes a decision based on the results obtained

**LO10** - independently studies new sections of fundamental mathematics

**LO11** - independently and in cooperation with colleagues, establishes the scientific nature of problems arising in the course of professional activity, uses the appropriate scientific apparatus to solve them