



## PASSPORT OF THE EDUCATIONAL PROGRAM

### • 8D01504 Training of physics teachers

#### PURPOSE OF THE EDUCATIONAL PROGRAM

PhD training in physics, with skills of organization of research work in a new direction of scientific research or the development of existing relevant research areas, analytical generalization of results of scientific activities that allow to prepare a qualification scientific work (dissertation) for the degree of doctor of science.

#### FIELD OF PROFESSIONAL ACTIVITY

Education and upbringing, as well as scientific activities, government regulation related to education

# LEARNING OUTCOMES (LO)

LO 1-demonstrates the skill of applying research methods used in modern sections of physics and methods of teaching physics

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

LO 3-selects methods for solving actual problems of scientific and practical problems;

LO 4-organizes and conducts research in physical disciplines;

LO 5-effectively provides educational and management services;

LO 6-uses advanced experiments of physics teachers to organize experimental activities of schoolchildren, students and undergraduates;

LO 7-focuses on a wide range of new technologies, ideas, directions and is ready to use them in their teaching activities;

LO 8-organizes the educational process in the BL format in English, including online; determines the effectiveness and methodology of using tools for evaluating learning outcomes in structuring the educational process