

**REVIEW**  
**on the educational program 6B01522-Physics-Mathematics**  
**Pavlodar Pedagogical University named after A. Margulan**

The reviewed educational program 6B01522-Physics-Mathematics, designed for the training of physics and mathematics teachers, has been developed and approved in accordance with the State Educational Standards of the Republic of Kazakhstan, the Professional Standard for Teachers, the National Qualifications Framework, and is aligned with the Dublin Descriptors and the European Qualifications Framework.


The primary objective of the program is the cultivation of pedagogical professionals who meet the demands of the labor market in the region and the country. The "Scope" section outlines key stakeholders in the program, the model graduate, as well as goals and tasks tailored to the requirements of future teachers. The "Learning Outcomes" section comprehensively describes universal and professional competencies crucial for a successful career in the field of education. Qualification characteristics delineate the sphere, objects, subject, and functions of the teacher's professional activity. The structural components of the educational program encompass Module Characteristics, a Matrix correlating educational outcomes with competencies, and information on the content of all disciplines, comprehensively covering school courses in physics and mathematics.

Program 6B01522-Physics-Mathematics provides students not only with theoretical knowledge but also with active practical application of acquired competencies. Diverse types of internships, including educational, pedagogical, professional, and pre-diploma internships, are incorporated into the educational process, affording students the opportunity to apply their knowledge in practice and deepen their experience as physics and mathematics teachers. This approach enables graduates to confidently enter the professional environment, possessing not only theoretical knowledge but also practical skills necessary for a successful career in education.

The conferment of a bachelor's degree implies educational trajectories in the preparation of physics and mathematics teachers. The program's structure not only ensures the training of highly qualified pedagogical personnel but also provides graduates with the opportunity to continue their education in the master's program, supporting their aspirations for professional growth and development in the field of education.

**Conclusion.** In conclusion, it can be noted that the structure and content of the educational program 6B01522-Physics-Mathematics are oriented towards the effective preparation of pedagogical personnel, meeting the needs of the labor market and stakeholders, thus ensuring the achievement of expected learning outcomes.

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